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DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR

CENSUS OF WAR COMMODITIES

ANTIMONY
AND
GRAPHITE CRUCIBLES

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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ANTIMONY.

In an endeavor to ascertain the stocks of antimony available for war activities and for the requirements of both peace and war industries, the Bureau of the Census gathered statistics from importers, dealers, and consumers under date of June 30, 1918. The smelters were canvassed by the Geological Survey.

The statistics are shown in three tables and cover stocks of all classes of establishments, as of date June 30, 1918, and the output of various products containing antimony and their antimony contents for the calendar year 1917 and for the month of June, 1918.

Establishments.—The number of establishments is the number of reports received and not necessarily the number of individual plants, shops, works, or warehouses. In many cases one report covers a number of plants.

Tables.—Table 1 shows the antimony contents of stocks on hand, in transit within the United States to the establishment reporting, afloat but not yet arrived in the United States, and stocks in process of manufacture. The stocks reported by wholesalers, jobbers, importers, and exporters—not manufacturers—and the stocks reported by the smelters, refiners, and manufacturers consuming stocks as material are shown separately. Some of the latter group import material.

Table 2 shows the statistics for imports and exports for the fiscal years ending June 30, 1918 and 1917.

Table 3 shows the statistics relating to consumption and production. The consumption of antimony for the calendar year 1917 and the month of June, 1918, is distributed: (1) According to the class of antimonial material used, and (2) according to the class of product. The table also gives the percentage distribution by character of material and by class of product, and shows the output of the various products.

Table 1.—STOCKS OF ANTIMONY JUNE 30, 1918.

[Antimony contents of stocks in process, on hand, in transit, and afloat from foreign countries.]

	Number of establishments.	TOTAL. Pounds.	TOTAL. Per cent distribution.	Stocks in process (pounds).	Stocks on hand (pounds).	Stocks in transit (pounds).	Stocks afloat (pounds).
Total	751	22,023,700	100.0	1,812,100	16,617,900	1,624,600	1,969,100
Reported by—							
Wholesalers, jobbers, importers, and exporters (not manufacturers)	59	6,949,000	31.6	.....	5,450,700	307,000	1,191,300
Smelters, refiners (including ore smelters reporting to the Geological Survey), and consumers	692	15,074,700	68.4	1,812,100	11,167,200	1,317,600	777,800
CLASS OF MATERIAL.							
Antimony metal (*regulus*)	.....	13,342,600	60.6	1,029,900	10,053,000	754,500	1,505,200
Antimonial lead	.....	4,308,800	19.6	615,900	3,237,500	455,400	.....
Liquated antimony *sulphide*—crude or needle antimony	.....	1,719,800	7.8	51,700	1,175,500	151,600	341,000
Antimony oxides and *other* salts, including red and yellow *sulphides*	.....	1,715,800	7.8	101,400	1,403,000	90,500	120,900
Antimony ore	.....	936,700	4.2	13,200	748,900	172,600	2,000

Table 2.—IMPORTS AND EXPORTS OF ANTIMONY, YEARS ENDING JUNE 30, 1917 AND 1918.

IMPORTS AND EXPORTS.	QUANTITY. 1918	QUANTITY. 1917	VALUE. 1918	VALUE. 1917
IMPORTS OF ANTIMONY.				
Ore, gross tons	5,280	7,421	$405,953	$1,033,885

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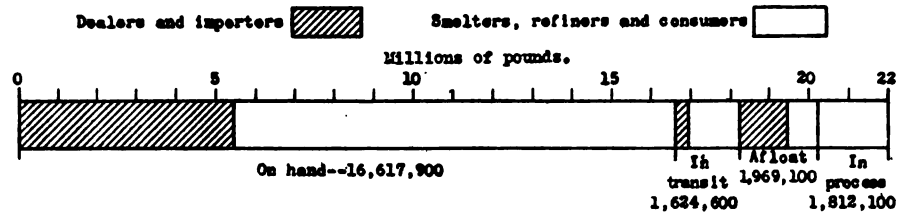
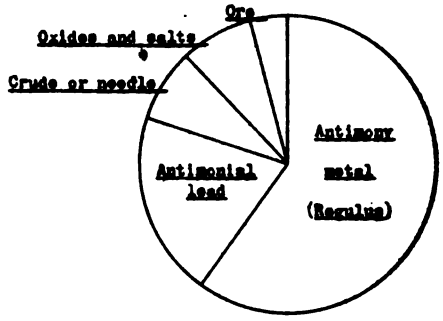
STOCKS, JUNE 30, 1918; CONSUMPTION, 1917

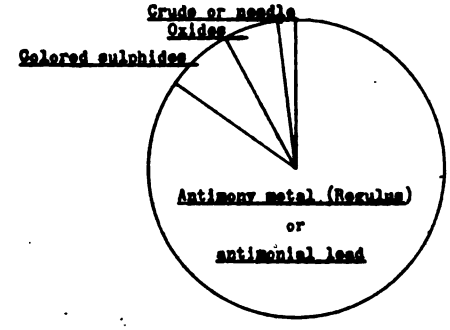
STOCKS: 22,025,700 POUNDS



Stocks--22,023,700 pounds
Distribution according to class of material

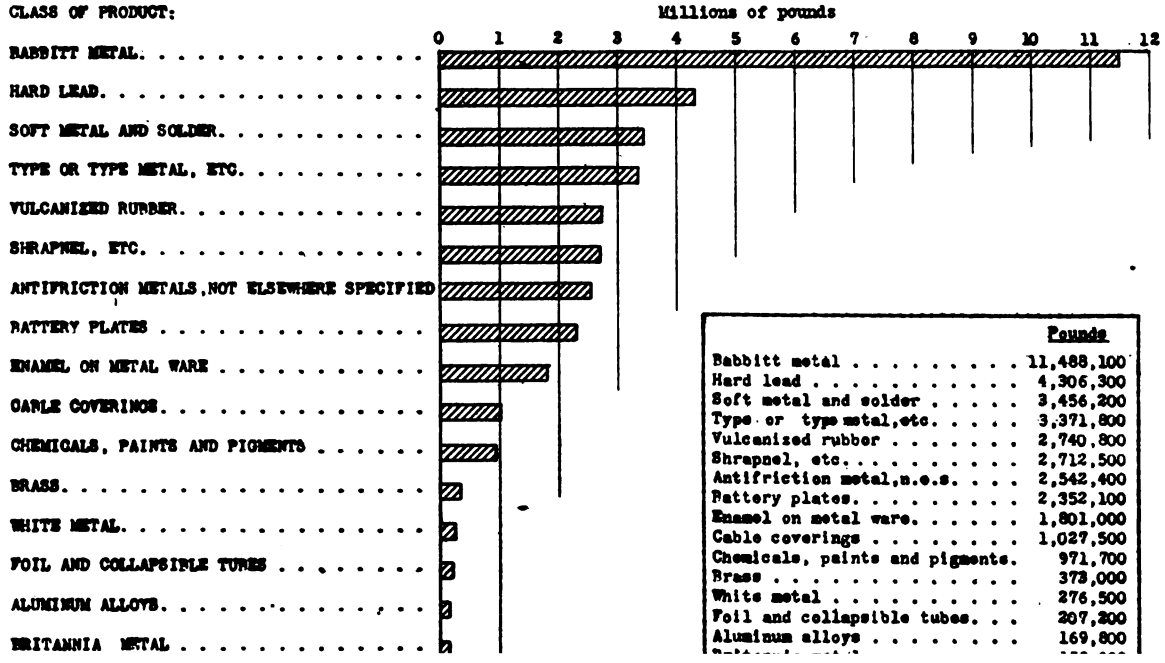


Consumption--38,744,400 pounds
Distribution according to class of material



CONSUMPTION

Distribution according to products



	Pounds
Babbitt metal	11,488,100
Hard lead	4,306,300
Soft metal and solder	3,456,200
Type or type metal, etc.	3,371,800
Vulcanized rubber	2,740,800
Shrapnel, etc.	2,712,500
Antifriction metal, n.e.s.	2,542,400
Battery plates	2,352,100
Enamel on metal ware	1,801,000
Cable coverings	1,027,500
Chemicals, paints and pigments	971,700
Brass	373,000
White metal	276,500
Foil and collapsible tubes	207,200
Aluminum alloys	169,800

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SCHEDULE USED TO SECURE STATISTICS OF ANTIMONY.

CONFIDENTIAL—(WAR MEASURE)
To be forwarded not later than the 10th of each month

9–6501 [YY3—556]

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, Director

STATISTICS OF ANTIMONY

EUGENE F. HARTLEY
Chief Statistician for Manufactures

NAME OF ESTABLISHMENT.....

LOCATION OF ESTABLISHMENT: State....., City or town.....

ADDRESS OF GENERAL OFFICE.....

NATURE OF BUSINESS.....
(State whether manufacturer, wholesaler, jobber, or importer and exporter.)

IF A COMBINED REPORT, ENUMERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT. NAMES AND ADDRESSES.

WASHINGTON, D. C., *June 5, 1918.*

A census of the stocks of antimony on hand and in transit, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce * * * shall * * * from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent."

And the special authority of the President of the United States, under date of April 8, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics may be placed at the disposal of the trade.

The **Bureau of the Census** is cooperating with the **Geological Survey** in taking a complete census of stocks of **antimony**, its ores and compounds, and of antimonial lead in the United States. The Census Bureau is canvassing the importers, dealers, and consumers, and the Geological Survey the producers.

Important.—The present war emergency demands the patriotic cooperation of all interests that centralized information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. **Accurate** and **prompt** replies are **imperative.**

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

.....
(Signature of person furnishing the information.)

Date, ..., 1918. .....
(Official position.)

I. Stocks on....., 1918.

STOCKS BY PROCESS.—In the case of manufacturers report in column (A) quantity tied up in partially manufactured products.

STOCKS BY HAND.—Report in column (B) quantity in possession in your own foundries or works, warehouses, storerooms, and other space owned or rented by you in the continental United States, whether you have title to it or not; not to include stocks in process of manufacture or stocks of finished manufactured products.

STOCKS BY TRANSIT.—Report in column (C) quantity in the United States in transit to you from seaport or other point but not yet received, including those on docks or in customs warehouses; not to include stocks in your own warehouses or in the works or storage space of any other concern. Dealers should not report any stock in transit to them which has been sold to a manufacturer, since the latter will report the same on his schedule.

STOCKS ABROAD.—Report in column (D) quantity in transit to you from foreign countries but not yet arrived in the United States, whether purchased directly or by other party for you. Dealers should not include stocks already sold to manufacturers, since the latter will return same on their schedules.

REPORT ANTIMONY CONTENT: POUNDS.

	Total.	(A) Stocks by Process.	(B) Stocks on Hand.	(C) Stocks in Transit.	(D) Stocks Abroad.
Antimony ore (not including slightly antimonial lead ore)					
Antimony metal (also known as regulus). Liquated antimony sulphide (also known as "crude antimony" and "needle antimony")					
Antimony oxides and other salts of antimony, including red and yellow sulphides					
Antimonial lead					

II. Consumption of Antimony.

Report separately the principal products containing antimony, giving quantity of each manufactured and the percentage of antimony which it contains.

Kind of antimonial material used.	Class of Product.	Per cent of antimony in product.	Output of product for calendar year 1917 (pounds).	Output of product for period covered by this report (pounds.)
Antimony metal	Antimony block			
	Pewter			
	Powdered antimony			
	Britannia metal			
	Syphon tops			
	Babbitt metal			
	Bases			
	Aluminum alloys			
	Acid-resisting iron			
	Thermal couples			
	Other products (specify separately):			

II. Consumption of Antimony.—Continued.

Kind of antimonial material used.	Class of Product.	Per cent of antimony in product.	Output of product for calendar year 1917 (pounds).	Output of product for period covered by this report (pounds.)
Antimony metal or antimonial lead	Other bearing or antifriction metals			
	Type and type metal, including linotype and stereotype			
	Battery plates			
	Shrapnel and other bullets			
	Cable coverings			
	Hard lead			
	Type			
	Other products (specify separately):			
Antimony oxides	Paint or paint pigments			
	Glassware			
	Pottery enamel			
	Enamel on metal ware			
	Artificial ivory			
	Other products (specify separately):			
	Pigment for explosives			
	Smoke bombs			
"Crude" or "needle"	Safety matches			

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Table 4.—STOCKS OF GRAPHITE CRUCIBLES ON HAND, IN TRANSIT, AND IN USE, AND

	CLASS OF INDUSTRY, GEOGRAPHIC DIVISION, AND DATE, 1918.	Number of establishments.	STOCKS (NUMBER OF CRUCIBLES).						
			Total.	On hand.	In transit.	Total by size groups.			
						No. 10 or under.	Nos. 12–45.	Nos. 50–90.	No. 100 and over.
	Total:								
1	Sept. 30	823	683,117	547,209	35,908	35,258	76,628	395,662	[2] 75,629
2	June 30	938	594,432	560,234	34,198	28,336	85,505	404,332	76,259
	Manufacturers of crucibles: [3]								
3	Sept. 30	16	310,753	310,753	.....	30,788	53,487	191,973	34,505
4	June 30	16	359,001	359,001	.....	24,165	66,074	226,620	42,142
	Users (including dealers):								
5	Sept. 30	812	272,364	236,456	35,908	4,470	23,141	203,629	41,124
6	June 30	922	235,431	201,233	34,198	4,171	19,431	177,712	34,117
	USERS BY INDUSTRIES.								
	Steel:								
7	Sept. 30	62	72,552	65,100	7,452	204	2,920	68,577	851
8	June 30	55	47,140	35,649	11,491	224	2,539	43,500	877
	Brass, bronze, and aluminum:								
9	Sept. 30	502	178,470	153,035	25,435	2,094	16,939	124,647	34,790
10	June 30	527	142,921	126,967	15,954	1,080	12,751	101,592	27,498
	Babbitt metal and solder:								
11	Sept. 30	19	1,340	1,116	224	278	570	138	354
12	June 30	19	579	364	215	25	75	179	300
	Miscellaneous:								
13	Sept. 30	229	20,002	17,205	2,797	1,894	2,712	10,267	5,129
14	June 30	321	44,791	38,253	6,538	2,842	4,066	32,441	5,442
	USERS BY DIVISIONS.								
	New England:								
15	Sept. 30	121	80,318	74,729	5,589	1,802	3,561	70,997	3,958
16	June 30	134	79,328	74,115	5,213	286	4,973	68,606	5,463
	Middle Atlantic:								
17	Sept. 30	302	111,748	100,313	11,435	1,226	5,903	85,196	19,423
18	June 30	346	82,030	67,055	14,975	1,668	5,768	59,370	15,224
	East North Central:								
19	Sept. 30	264	65,484	49,229	16,255	1,008	12,763	38,123	13,590
20	June 30	296	60,699	50,604	10,095	1,950	7,662	41,019	10,068
	West North Central:								
21	Sept. 30	37	1,693	1,482	211	185	437	589	482
22	June 30	42	2,091	1,799	292	14	474	770	833
	South Atlantic:								
23	Sept. 30	28	10,113	7,895	2,218	195	296	6,926	2,696
24	June 30	31	8,133	4,830	3,303	166	309	6,002	1,656
	East South Central:								
25	Sept. 30	14	1,427	1,404	23	.....	71	1,286	70
26	June 30	17	1,598	1,462	136	.....	60	1,377	161
	West South Central:								
27	Sept. 30	6	108	90	18	.....	9	95	4
28	June 30	7	191	174	17	13	24	139	15
	Mountain:								
29	Sept. 30	9	175	123	52	.....	27	80	68
30	June 30	10	113	104	9	.....	44	32	37
	Pacific:								
31	Sept. 30	31	1,298	1,191	107	54	74	337	833
32	June 30	39	1,248	1,090	158	74	117	397	660

[1] A minus sign (—) denotes decrease.
[2] Sizes larger than 100, reported separately and included in the 100-and-over group:

CRUCIBLES.	No. 125.	No. 150.	No. 175.	No. 200.	No. 225.	No. 250.	No. 275.	No. 300.	No. 400.	Larger than No. 400.
Stocks	1,866	2,991	724	1,033	798	125	297	196	1,134	17
In use	93	186	16	120	84	31	39	9	132	4
Requirements	3,156	8,558	82	3,691	4,385	1,000	1,914	497	2,846	.....

[3] Distribution by states: Connecticut 3 establishments; Illinois, 1; Massachusetts, 1; New Jersey, 4; and Pennsylvania, 7.

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Table 5.—COMPARISON OF STOCKS OF GRAPHITE CRUCIBLES WITH NORMAL FOR 1916 AND 1917.

CLASS OF INDUSTRY AND DATE, 1918.	Total number of establishments.	STOCKS OF CRUCIBLES. Number of establishments reporting same as—			OTHER SUPPLIES INVOLVING CRUCIBLE GRADES OF GRAPHITE. Number of establishments reporting same as—			
		Large.	Small.	Normal or not reporting.	Large.	Small.	Normal.	None or not reporting.
Total:								
Sept. 30	828	129	175	524	8	35	355	430
June 30	938	129	194	615	6	36	294	602
Manufacturers of crucibles:								
Sept. 30	16	4	7	5	2	5	8	1
June 30	16	6	4	6	3	3	9	1
Users (including dealers):								
Sept. 30	812	125	168	519	6	30	347	429
June 30	922	123	190	609	3	33	285	601
Steel:								
Sept. 30	62	10	10	42	1	1	28	32
June 30	55	8	9	38	.....	2	20	33
Brass, bronze, and aluminum:								
Sept. 30	502	83	108	311	3	15	227	257
June 30	527	69	117	341	2	18	168	339
Babbitt metal and solder:								
Sept. 30	19	1	1	17	.....	.....	8	11
June 30	19	2	5	12	.....	.....	4	15
Miscellaneous:								
Sept. 30	229	31	49	149	2	14	84	129
June 30	321	44	59	218	1	13	93	214

SCHEDULE USED TO SECURE STATISTICS OF GRAPHITE CRUCIBLES.

CONFIDENTIAL—(WAR MEASURE)
To be furnished within 10 days

[YY7—560]

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, Director

STATISTICS OF GRAPHITE CRUCIBLES

FOR QUARTER ENDING 1918
EUGENE F. HAYLEY
Chief Statistician for Manufactures

NAME OF ESTABLISHMENT .....

ADDRESS OF GENERAL OFFICE .....

LOCATION OF ESTABLISHMENT: State ....., City or town .....

Separate plant reports are desired; if this is impracticable, combined reports for plants by states will be accepted. If a combined report, give here the names and locations of plants.

State whether manufacturer, wholesaler, jobber, importer, or exporter .....

General designation of goods .....

WASHINGTON, D.C., July 15, 1918.

A census of the stocks of graphite crucibles (black lead or plumbago) on hand, in transit, and in use, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce * * * shall * * * from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent."

And the special authority of the President of the United States, under date of April 8, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics may be placed at the disposal of the trade.

Important.—The present war emergency demands the patriotic cooperation of all interests that centralized information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. Accurate and prompt replies are imperative.

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

(Signature of person furnishing the information.)

(Title and address)

Date, ..., 1918.

GRAPHITE CRUCIBLES

Schedule to be returned by all graphite (black lead or plumbago) crucibles on hand in your own foundries, works, warehouses, and storerooms without regard to whether they are owned by you or by someone else; also graphite crucibles in transit to you, and sizable to use.

(A) Stocks on hand.—Report number of crucibles classified by size actually on hand in your own foundries, works, warehouses, and storerooms, but not in use. It should include those actually in your possession whether you have title to them or not.

(B) Stocks in transit.—Report number of crucibles classified by size in transit to you, whether from points in the United States or abroad, but not yet received. If from abroad, explain. Do not include stocks in transit which have been sold, as they will be reported by the purchaser.

(C) Stocks in use.—Report number of crucibles classified by size in use in your own foundries or works.

(D) Expected requirements.—If a manufacturer or agent of graphite crucibles, report number of such crucibles classified by size that will probably be supplied under present business conditions for the ensuing 12 months.

I.—Crucible stocks

Number or size.	(A) On hand (owned).	(B) In transit (owned).	(C) In use.	(D) Expected requirements for 12 months.
Size.				
No. 10 or smaller				
Nos. 10 to 40				
Nos. 60 to 90				
No. 100 and over				
Other sizes (specify sizes)				

II.—Are these stocks larger or smaller than normal for 1916-1917? .....

III.—Stocks of other supplies involving crucible grades of graphite—stirring rods, ladles, etc.:

Is stock on hand normal? ..... If not, state to what extent stocks are deficient.

Remarks .....

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DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR

CENSUS OF WAR COMMODITIES

IRON AND STEEL PRODUCTS

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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NOTE.

Reports received after completion of tabulation and not included in the tables, comprising: Railroad companies, 13; steel works and rolling mills, 1; shipyards, 2; manufacturers of agricultural implements, etc., 3; manufacturers of motor vehicles, etc., 1; manufacturers of engines, pumps, etc., 1; manufacturers of machinery not elsewhere specified, 4; manufacturers of munitions and ordnance, 2; and fabrications, 1—Total, 28.

(Tons of 2,000 pounds.)

CLASS OF STEEL.	STOCKS, SEPT. 1, 1918.			CONSUMPTION AND REQUIREMENTS, 1918.				
	Total.	Railroad companies.	Other.	Total.	Railroad companies.	Other.	For Government contracts.	
							Amount.	Per cent.
Ingots, blooms, billets, and slabs	2,034	80	1,954	148,830	155	148,675	111,055	75.3
Skelp, flue, etc	281	281	.....	116	116	.....	.....	.....
Wire rods	452	1	451	31,603	3	31,600	23,700	75.0
Plates (¼ inch and over)	3,331	557	2,774	7,156	1,098	6,058	2,933	41.0
Sheets (under ¼ inch)	293	208	85	533	385	148	22	4.2
Merchant bars and shapes under 3 inches	3,479	2,106	1,373	11,634	7,262	4,372	2,086	17.9
Long angle splice bars	330	300	30	443	40	403	.....	.....
Structural shapes	1,881	88	1,793	9,779	57	9,722	970	9.9
Seamless tubes	587	329	258	931	404	527	515	55.3
Tubular products other than seamless tubes	686	377	309	582	261	321	25	4.3
Rails:								
50 pounds and over	10,787	10,697	90	14,096	14,088	8	.....	.....
Under 50 pounds	1,001	1,000	1	805	800	5	.....	.....
Rail joints, fastenings, and tie-plates	3,058	3,056	2	12,052	12,052	.....	.....	.....
Wire products	1,926	203	1,723	15,043	479	14,564	10,814	71.9
Tool steel	144	28	116	216	33	183	160	74.1
All other finished, rolled, and drawn iron and steel	2,792	314	2,478	6,497	542	5,955	2,113	32.5
Total	33,062	19,625	13,437	260,316	37,775	222,541	154,393	59.3

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EXPLANATION OF STATISTICS.

The accompanying tables present the statistics for Iron and Steel Products as reported by 10,494 establishments. The canvass included the manufacturers of the specified classes of iron and steel products; the wholesalers, dealers, jobbers, and supply houses carrying stocks; and manufacturers using the products as material in further processes of manufacture, including railroads and public service corporations that operate construction and repair shops and carry stocks for the upkeep of their properties, systems, and lines. The statistics include the consumption by the producers—that is, by the rolling mills, the wire-drawing mills, forging shops, etc.—of the specified classes of products in further processes of manufacture.

ESTABLISHMENTS.

The number of establishments is the number of reports received and not the number of individual plants, shops, or works. Thus, the United States Steel Corporation made one report covering 148 plants, mills, works, shops, and warehouses; the United States Railroad Administration, one report for the various corporations commonly known as Pennsylvania Lines West of Pittsburgh and one report for the Eastern Lines; the War Department, one report for all shops and works under the control of the Corps of Engineers. The report for the Corps of Engineers covers stocks only, data for consumption and requirements not being furnished. Separate reports were furnished for the arsenals with full data. The only report received from the Navy Department was for the Mare Island Navy Yard, Cal. This has been included with the data for the War Department. Establishments reporting less than half a ton of steel on hand or consumed have not been included in the tabulation. Approximately 850 reports of this character were received.

TABLES.

The statistics are presented in four tables as follows:

TABLE I shows stocks on hand or in transit to the reporting establishment on September 1, 1918.

TABLE II presents the statistics of consumption for the first half of the year, January 1 to June 30, 1918.

TABLE III presents the statistics for requirements for the last half of the year, July 1 to December 31, 1918.

TABLE IV is a summary showing stocks and consumption-requirement data for the year for all establishments and for the several groups of establishments, with per cent of distribution.

A graphic presentation of the statistics by bar diagrams precedes the tables and a copy of the schedule used is shown at the end of this bulletin.

CLASSIFICATION.

The information given in answer to Inquiry III of the schedule has been used as a basis of classification according to chief products.

The reports have been classified under 16 groups as follows:

A.—*The producing establishments designated as "Manufacturers of the specified products—Steel works, rolling mills, etc."* This group includes also tube and wire-drawing mills, forging shops, and tin-plate mills. These establishments reported stocks on hand, September 1, of the various classes of steel, including ingots, billets, bars, etc., in process, stocks of the finished rolled products, and stocks of products of a higher degree of manufacture called for by the schedule, such as tubular products and wire. The producing establishments reported under Inquiry II of the schedule only the quantities of the specified classes of steel consumed in or required for their own establishment in further processes of manufacture; structural steel in fabrications, plates fabricated for ship and other constructions, horseshoe bars in the manufacture of horseshoes, etc.

B.—*Wholesalers, jobbers, and dealers.*—This class reported stocks only.

C.—*Railroad companies, both steam and electric.*—These companies reported stocks on hand for use in their repair shops and mills and were not included, these being the products of the mills that fashioned them ready for erection and are included in the reports for such establishments.

E.—*War Department.*—These reports include the statistics for the arsenals and the shops and works under the control of the Corps of Engineers, the latter, however, being confined to stocks, as before stated. There are also included the statistics for the Mare Island Navy Yard.

The remaining groups comprise the manufacturing establishments that use iron and steel materials of the specified classes. The establishments are classified according to their chief products, although in many cases they reported products which belong under another classification, shown, for example, by a large consumption of projectile steel by establishments engaged primarily in the manufacture of bolts, nuts, etc., and machinery, and projectile steel requirements for establishments included in the "Motor vehicle" and "Miscellaneous" groups.

F.—*Manufacturers of agricultural implements and vehicles other than motor vehicles.*

G.—*Manufacturers of motor vehicles—Automobiles, trucks, and accessories.*

H.—*Manufacturers of bolts, nuts, rivets, nails, screws, etc.*

I.—*Manufacturers of electric and electric-power machinery, apparatus, and supplies.*

J.—*Manufacturers of engines, pumps, compressors, etc., boilers, and tanks.*

K.—*Manufacturers of machine tools.*

L.—*Manufacturers of tools and hardware.*

M.—*Manufacturers of machinery other than the foregoing.*

N.—*Manufacturers of munitions and ordnance.*

O.—*Fabrications—Structural and architectural ironwork.*

P.—*Miscellaneous*, or manufacturers of commodities not elsewhere provided for.

DURATION OF SUPPLY.

On September 1, 1918, there was, in the aggregate, 8,589,000 tons of iron and steel material of the various classes on hand, not including scrap. The figures for consumption and requirements, taken as representing the year's consumption, aggregate 31,690,000 tons. These figures indicate that the stocks in the country, as of said date, were equal to approximately three and one-fourth months' supply for all classes of establishments.

The following tabular statement gives, in terms of months' supply, the ratio between stocks and consumption and requirements for the year—(1) for the various classes of steel, and (2) for the industrial groups:

	Months.
All stocks	3¼
CLASS OF STEEL.	
1. Ingots, blooms, billets, and slabs	2
2. Projectile steel	2¾
3. Sheet bars and tin-plate bars	1¾
4. Skelp, flue, etc.	2¾
5. Wire rods	1¾
6. Plates	3½
7. Sheets	4¼
8. Merchant bars and shapes under 3 inches	4
9. Reinforced-concrete bars [1]	14
10. Long angle splice bars	2½
11. Structural shapes	3¼
12. Seamless tubes	9
13. Tubular products other than seamless tubes [1]	12½
14. Rails	6¼
15. Rail joints, fastenings, and tie-plates	11½
16. Tin plate	4
17. Barbed wire [1]	1½
18. Wire rope [1]	10¼

INDUSTRIAL GROUPS.	Months.
A.—Manufacturers of the specified products—Steel works, rolling mills, etc.	2½
C.—Railroad companies	6½
D.—Shipyards	3½
E.—War Department [1]	
F.—Manufacturers of agricultural implements and vehicles other than motor vehicles	4¼
G.—Manufacturers of motor vehicles—Automobiles, trucks, and accessories	2¾
H.—Manufacturers of bolts, nuts, rivets, nails, screws, etc.	3
I.—Manufacturers of electric and electric-power machinery, apparatus, and supplies	5¼
J.—Manufacturers of engines, pumps, compressors, etc., boilers, and tanks	2¾
K.—Manufacturers of machine tools	5
L.—Manufacturers of tools and hardware	4
M.—Manufacturers of machinery	

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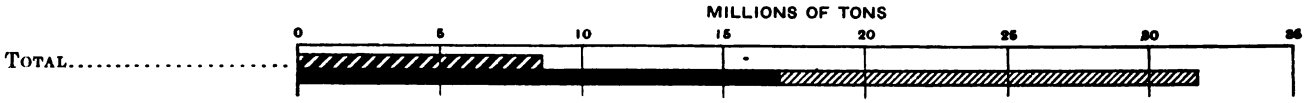
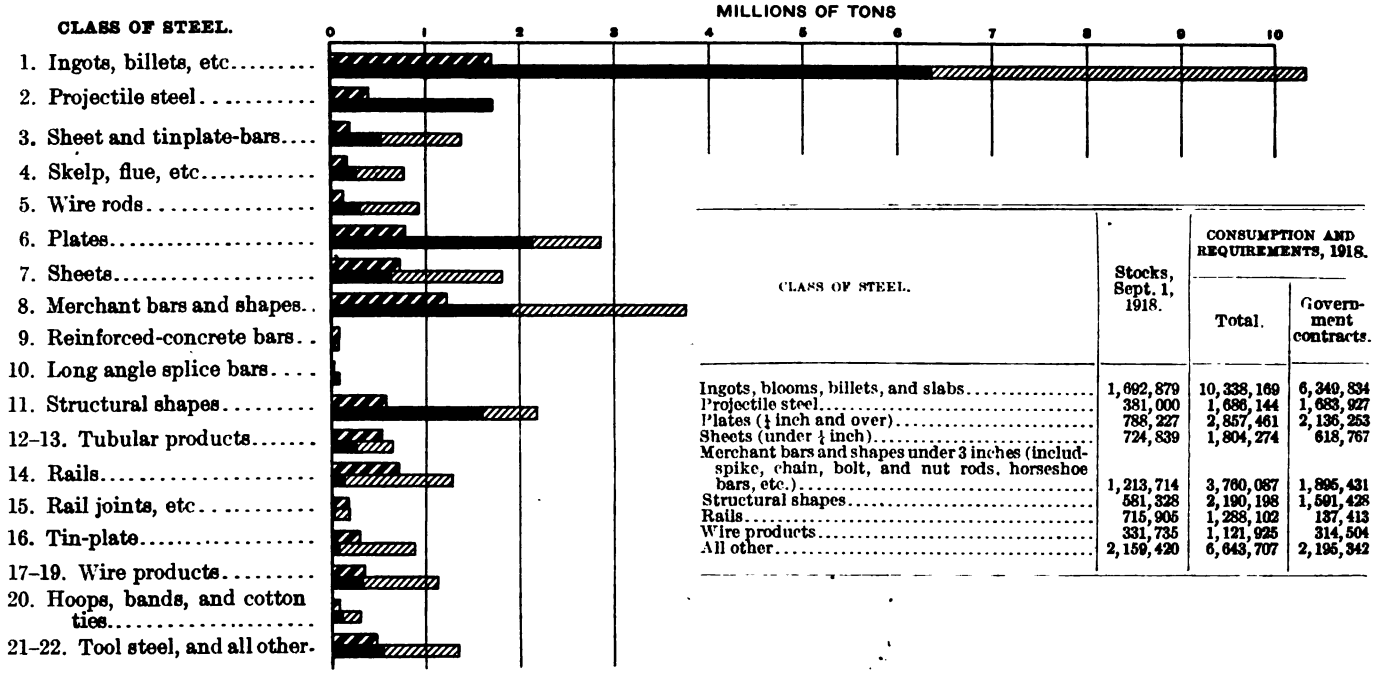
STOCKS, SEPT. 1, 1918; CONSUMPTION AND REQUIREMENTS, 1918.

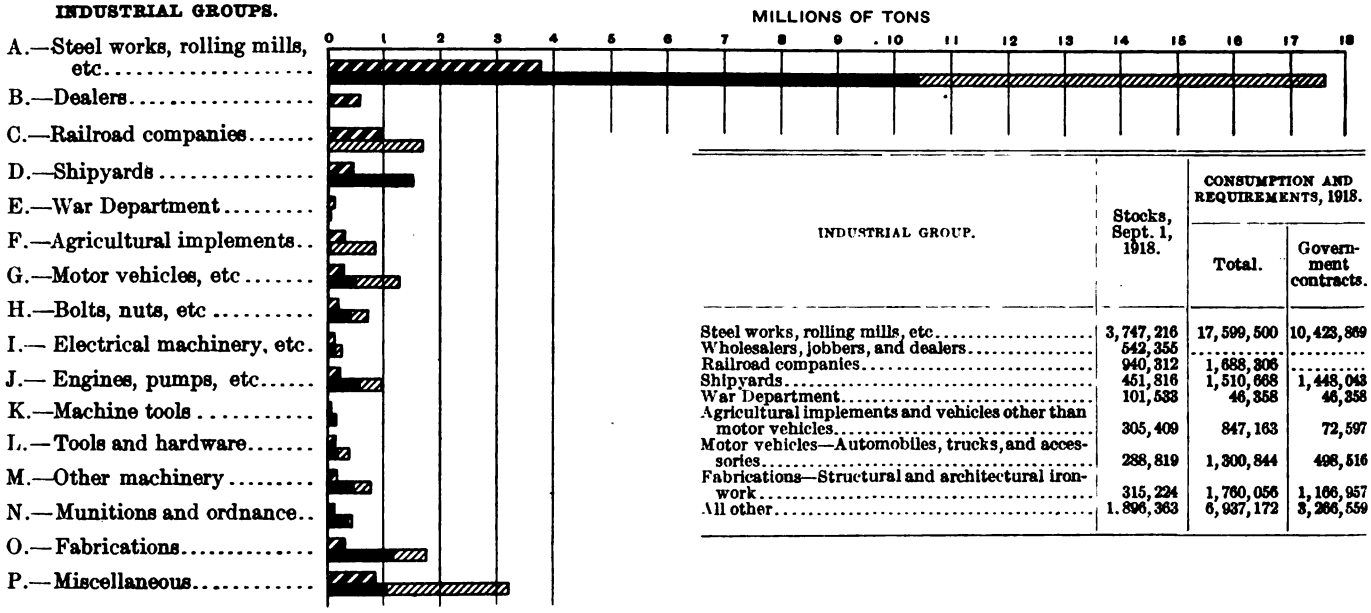


TOTAL.

Stocks, Sept. 1, 1918	8,589,047
Consumption and requirements, 1918:	
For Government contracts	16,922,899
Other	14,767,168



CLASS OF STEEL.	Stocks, Sept. 1, 1918.	CONSUMPTION AND REQUIREMENTS, 1918.	
		Total.	Government contracts.
Ingots, blooms, billets, and slabs	1,692,879	10,338,169	6,349,834
Projectile steel	381,000	1,686,144	1,683,927
Plates (¼ inch and over)	788,227	2,857,461	2,136,253
Sheets (under ¼ inch)	724,839	1,804,274	618,767
Merchant bars and shapes under 3 inches (includ- spike, chain, bolt, and nut rods, horseshoe bars, etc.)	1,213,714	3,760,087	1,895,431
Structural shapes	581,328	2,190,198	1,591,428
Rails	715,905	1,288,102	137,413
Wire products	331,735	1,121,925	314,504
All other	2,159,420	6,643,707	2,195,342



INDUSTRIAL GROUP.	Stocks, Sept. 1, 1918.	CONSUMPTION AND REQUIREMENTS, 1918.	
		Total.	Government contracts.
Steel works, rolling mills, etc.	3,747,216	17,599,500	10,423,869
Wholesalers, jobbers, and dealers	542,355	.....	.....
Railroad companies	940,312	1,688,306	.....
Shipyards	451,816	1,510,668	1,448,043
War Department	101,533	46,358	46,358
Agricultural implements and vehicles other than motor vehicles	305,409	847,163	72,597
Motor vehicles—Automobiles, trucks, and acces- sories	288,819	1,300,844	498,516
Fabrications—Structural and architectural iron- work	315,224	1,760,056	1,166,957
All other	1,896,363	6,937,172	3,266,559

STOCKS, SEPT. 1, 1918

CONSUMPTION AND REQUIREMENTS, 1918:

FOR GOVERNMENT CONTRACTS

OTHER

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Table 1.—STOCKS ON HAND OR IN TRANSIT, SEPTEMBER 1, 1918.

(Tons of 2,000 pounds.)

CLASS OF STEEL.	Total.	Manufacturers of the specified products—Steel works, rolling mills, etc.	Wholesalers, jobbers, and dealers.	Railroad companies.	Shipyards.	War Department.[1]
Number of establishments	10,494	441	942	499	102	10
1. Ingots, blooms, billets, and slabs	1,692,879	1,639,943	259	6,233	6,577	5,611
2. Projectile steel	381,000	267,118	.....	.....	.....	.....
3. Sheet bars and tin-plate bars	190,317	186,646	36	20	.....	.....
4. Skelp, flue, etc	179,317	176,202	50	637	.....	.....
5. Wire rods	118,398	79,056	799	40	.....	327
6. Plates (¼ inch and over)	788,227	186,815	29,227	69,272	249,746	12,647
7. Sheets (under ¼ inch)	724,839	147,558	39,301	19,170	7,112	6,576
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	1,213,714	272,843	156,003	93,822	40,013	5,880
9. Reinforced-concrete bars	85,952	21,362	22,657	7,426	371	2,428
10. Long angle splice bars	17,956	12,279	20	4,024	2	29
11. Structural shapes	581,328	151,539	25,937	38,372	135,289	10,109
12. Seamless tubes	78,228	11,315	5,688	22,814	668	232
13. Tubular products other than seamless tubes	440,333	112,412	171,103	14,868	5,067	1,243
14. Rails:						
50 pounds and over	650,256	98,204	5,371	494,935	3,040	21,333
Under 50 pounds	65,649	20,644	5,877	4,941	333	18,558
15. Rail joints, fastenings, and tie-plates	181,334	24,566	1,133	143,947	141	7,771
16. Tin plate	301,950	45,590	10,672	402	5	132
17. Barbed wire	10,201	5,062	1,453	1,839	1	1,330
18. Wire rope	24,695	7,854	1,810	727	1,312	165
19. Other wire products	296,839	163,118	33,399	4,126	96	2,106
20. Hoops, bands, and cotton ties	91,912	22,193	10,910	98	29	22
21. Tool steel	61,586	19,437	5,599	1,178	519	234
22. All other finished, rolled, and drawn iron and steel	412,137	75,460	15,051	11,421	1,495	4,800
TOTAL	8,589,047	3,747,216	542,355	940,312	451,816	101,533
23. Scrap iron and steel	1,873,988	1,429,554	16,874	145,598	4,823	5,354

MANUFACTURERS CLASSIFIED ACCORDING TO CHIEF PRODUCT.

CLASS OF STEEL.	Agricultural implements and vehicles other than motor vehicles.	Motor vehicles—Automobiles, trucks, and accessories.	Bolts, nuts, rivets, nails, screws, etc.	Electric and electric-power machinery, apparatus, and supplies.	Engines, pumps, compressors, etc., boilers, and tanks.	Machine tools.	Tools and hardware.	Machinery other than the foregoing.	Munitions and ordnance.	Fabrications—Structural and architectural ironwork.	Miscellaneous.
Number of establishments	610	590	214	418	629	437	807	1,023	60	636	3,076
1. Ingots, blooms, billets, and slabs	1,813	1,969	220	1,151	7,263	4,681	2,942	4,935	1,366	2,774	5,142
2. Projectile steel	.....	2,866	.....	305	51	190	.....	12,354	83,103	392	14,621
3. Sheet bars and tin-plate bars	172	8	.....	59	17	.....	2,004	273	5	79	998
4. Skelp, flue, etc	39	.....	759	26	.....	.....	1,413	.....	.....	1	190
5. Wire rods	779	1,598	17,491	1,127	257	515	1,916	341	165	935	13,052
6. Plates (¼ inch and over)	14,978	15,955	181	13,960	50,688	2,443	1,498	17,761	9,216	77,679	36,166
7. Sheets (under ¼ inch)	27,489	85,535	37,644	47,344	55,808	2,946	22,995	17,511	6,470	19,350	180,030
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	175,203	50,651	95,746	21,147	33,740	19,538	51,747	50,561	5,807	43,013	98,000
9. Reinforced-concrete bars	30	3,219	30	239	68	1	461	189	46	27,014	411
10. Long angle splice bars	50	368	.....	142	44	4	2	127	.....	374	491
11. Structural shapes	9,999	8,793	10	6,748	19,826	2,075	576	17,783	3,588	124,943	25,741
12. Seamless tubes	1,743	7,258	105	658	14,780	352	73	1,823	335	442	9,942
13. Tubular products other than seamless tubes	9,309	13,509	298	5,683	18,819	1,216	3,947	21,212	69	7,852	53,726
14. Rails:											
50 pounds and over	4	798	.....	1,096	662	7	.....	738	.....	1,736	22,332
Under 50 pounds	55	30	.....	406	73	145	.....	1,043	.....	911	12,633
15. Rail joints, fastenings, and tie-plates	4	48	.....	65	3	19	.....	410	20	564	2,643
16. Tin plate	218	318	78	111	1,966	30	869	784	3,418	502	236,855
17. Barbed wire	8	1	12	.....	41	.....	62	13	.....	60	319
18. Wire rope	132	5,922	468	347	82	675	189	667	4	85	4,256
19. Other wire products	3,797	5,735	14,962	1,298	1,075	631	6,153	2,956	569	2,099	54,719
20. Hoops, bands, and cotton ties	14,350	6,647	1,634	1,102	1,686	106	9,155	941	199	1,050	21,790
21. Tool steel	1,292	2,300	1,156	653	490	5,915	8,253	4,744	756	137	8,923
22. All other finished, rolled, and drawn iron and steel	43,945	75,291	19,156	13,206	10,487	27,555	18,625	34,573	5,470	3,237	52,365

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Table II.—CONSUMPTION, JANUARY 1 TO JUNE 30, 1918.

(Tons of 2,000 pounds.)

	CLASS OF STEEL.	Total.	Manufacturers of the specified products—Steel works, rolling mills, etc.	Railroad companies.	Shipyards.	War Department.[1]
1	1. Ingots, blooms, billets, and slabs	4,942,888	4,792,211	6,093	9,039	1,552
2	Used for Government contracts	2,883,680	2,759,950	.....	8,951	1,552
3	2. Projectile steel	662,752	438,346	.....	.....	.....
4	Used for Government contracts	660,863	436,646	.....	.....	.....
5	3. Sheet bars and tin-plate bars	629,102	626,813	87	.....	.....
6	Used for Government contracts	201,016	200,466	.....	.....	.....
7	4. Skelp, flue, etc	321,586	318,302	304	.....	.....
8	Used for Government contracts	116,783	116,548	.....	.....	.....
9	5. Wire rods	427,733	346,334	40	4	201
10	Used for Government contracts	112,919	79,471	.....	4	201
11	6. Plates (¼ inch and over)	1,145,467	213,970	50,054	315,377	4,054
12	Used for Government contracts	748,065	129,437	.....	301,373	4,054
13	7. Sheets (under ¼ inch)	882,843	71,355	16,375	9,524	1,256
14	Used for Government contracts	224,693	26,528	.....	8,591	1,256
15	8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).	1,757,735	600,277	97,628	41,460	1,319
16	Used for Government contracts	803,947	358,515	.....	36,932	1,319
17	9. Reinforced-concrete bars	30,433	1,064	5,218	574	52
18	Used for Government contracts	6,976	103	.....	478	52
19	10. Long angle splice bars	40,423	34,232	3,851	73	12
20	Used for Government contracts	33,227	32,165	.....	72	12
21	11. Structural shapes	932,752	284,686	32,537	134,877	875
22	Used for Government contracts	615,207	236,815	.....	124,348	875
23	12. Seamless tubes	91,769	19,212	12,556	384	457
24	Used for Government contracts	50,269	14,701	.....	309	457
25	13. Tubular products other than seamless tubes	200,534	4,366	13,464	5,757	457
26	Used for Government contracts	63,954	193	.....	5,017	457
	14. Rails:					
27	50 pounds and over	583,553	56,984	486,270	4,587	1,116
28	Used for Government contracts	45,872	22,739	.....	3,156	1,116
29	Under 50 pounds	36,142	10,059	3,408	480	13
30	Used for Government contracts	22,126	10,006	.....	470	13
31	15. Rail joints, fastenings, and tie-plates	91,258	585	87,298	333	15
32	Used for Government contracts	2,233	367	.....	185	15
33	16. Tin plate	418,193	7,856	460	38	2,976
34	Used for Government contracts	26,964	202	.....	38	2,976
35	17. Barbed wire	31,409	22,425	1,128	24	12
36	Used for Government contracts	11,612	11,239	.....	.....	12
37	18. Wire rope	14,881	98	742	2,027	28
38	Used for Government contracts	3,114	53	.....	1,880	28
39	19. Other wire products	473,666	256,955	2,317	182	36
40	Used for Government contracts	97,200	55,920	.....	134	36
41	20. Hoops, bands, and cotton ties	146,995	60,525	46	5	1
42	Used for Government contracts	43,774	18,063	.....	5	1
43	21. Tool steel	44,089	4,708	717	486	293
44	Used for Government contracts	25,487	2,971	.....	453	293
45	22. All other finished, rolled, and drawn iron and steel	640,659	54,650	17,869	3,875	2,988
46	Used for Government contracts	192,143	30,925	.....	3,847	2,988
47	TOTAL	14,546,862	8,226,013	838,462	529,106	17,713
48	Used for Government contracts	6,992,124	4,544,023	.....	496,243	17,713
49	23. Scrap iron and steel	4,453,030	3,876,679	53,813	4,986	4,197
50	Used for Government contracts	2,243,474	2,084,682	.....	1,896	4,197

[1] Including United States Navy Yard, Mare Island, Cal.

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Table II.—CONSUMPTION, JANUARY 1 TO JUNE 30, 1918—Contin

(Tons of 2,000 pounds.)

MANUFACTURERS CLASSIFIED ACCORDING TO CHIEF PRODUCT.								
Agricultural implements and vehicles other than motor vehicles.	Motor vehicles—Automobiles, trucks, and accessories.	Bolts, nuts, rivets, nails, screws, etc.	Electric and electric-power machinery, apparatus, and supplies.	Engines, pumps, compressors, etc., boilers, and tanks.	Machine tools.	Tools and hardware.	Machinery other than the foregoing.	Munitions and ordnance
1,901	3,356	1,251	3,248	18,809	6,005	3,936	8,477	9,
120	1,480	.....	2,410	16,541	5,967	1,373	3,834	8,
8	6	4,250	128	50	45	3	113,811	93,
.....	6	4,250	128	.....	45	.....	113,750	93,
368	4	.....	58	.....	16	12	51	
.....	1	.....	1	.....	15	1	16	
627	.....	503	.....	.....	.....	711	3	.....
.....	.....	100	.....	.....	.....	94	.....	.....
890	2,545	48,718	543	288	422	5,789	451	2
74	1,927	18,127	382	47	201	3,481	98	1
21,259	28,516	359	10,636	179,403	2,584	2,732	24,146	13,
1,467	17,984	15	6,914	113,747	1,135	1,262	6,133	7,
35,096	247,469	16,665	47,987	75,861	4,285	32,619	28,753	4,
816	39,276	3,380	26,683	27,088	998	11,582	4,585	3,
252,116	70,626	200,659	15,210	61,119	17,064	65,533	68,483	10,
21,868	26,280	118,562	6,854	31,592	9,879	33,317	24,637	7,
227	3,370	40	569	445	75	.....	268	
13	180	10	59	146	38	.....	39	
32	473	.....	128	169	27	283	206	
.....	188	.....	17	74	25	30	141	
9,480	9,800	64	10,036	24,279	2,283	1,458	20,726	5,
461	3,845	4	4,794	15,201	1,097	448	6,621	2,
1,228	9,484	137	441	32,910	376	708	1,675	1
32	4,719	125	231	23,696	131	611	666	
14,006	1,851	434	8,995	32,637	2,972	5,578	16,830	1
521	542	100	2,882	15,871	2,171	1,480	4,670	1
.....	1,632	.....	1,140	369	55	.....	681	
.....	1,242	.....	175	220	.....	.....	98	.....
41	61	.....	554	40	30	.....	2,010	.....
.....	50	.....	356	.....	30	.....	267	.....
.....	232	.....	44	3	5	.....	194	.....
.....	181	.....	13	.....	.....	.....	7	.....
293	2,290	112	148	1,975	49	1,477	953	7,
.....	99	37	125	21	.....	389	187	
191	101	105	.....	125	18	109	49	.....
.....	1	.....	.....	.....	17	100	1	.....
227	4,614	249	336	248	2,945	552	1,011	
10	53	61	183	87	45	5	236	
7,452	4,722	25,493	2,269	831	727	11,496	3,185	1,
48	1,138	6,838	1,263	248	475	2,394	977	
15,369	7,794	2,842	1,600	1,124	132	18,358	1,689	
798	2,032	575	1,147	207	27	3,232	524	
1,071	2,479	812	613	576	10,691	10,526	6,097	
21	594	385	386	359	8,991	5,122	3,252	
55,511	272,282	22,602	15,767	13,059	28,637	19,058	44,716	7,
4,046	40,276	12,480	7,855	5,467	18,093	7,891	13,491	3,
417,393	673,707	325,295	120,450	444,320	79,443	180,938	344,465	154,
30,295	142,094	165,049	62,858	250,612	49,380	72,812	184,230	128,
69,991	41,371	8,152	12,308	73,552	37,076	13,773	65,231	8,
1,821	6,265	78	9,271	31,653	26,032	4,052	19,264	6,

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Table III.—ESTIMATED REQUIREMENTS, JULY 1 TO DECEMBER 31, 1918.

(Tons of 2,000 pounds.)

	CLASS OF STEEL.	Total.	Manufacturers of the specified products—Steel works, rolling mills, etc.	Railroad companies.	Shipyards.	War Department.[1]
1	1. Ingots, blooms, billets, and slabs	5,395,281	5,203,234	8,594	9,789	8,548
2	For Government contracts	3,466,154	3,313,674	.....	9,742	8,548
3	2. Projectile steel	1,023,392	561,973	.....	.....	.....
4	For Government contracts	1,023,064	561,973	.....	.....	.....
5	3. Sheet bars and tin-plate bars	747,474	745,471	76	.....	.....
6	For Government contracts	318,586	317,554	.....	.....	.....
7	4. Skelp, flue, etc	453,116	447,385	150	.....	.....
8	For Government contracts	146,806	146,164	.....	.....	.....
9	5. Wire rods	516,708	417,577	36	4	226
10	For Government contracts	182,919	137,210	.....	4	226
11	6. Plates (¼ inch and over)	1,711,994	298,056	49,302	592,614	5,224
12	For Government contracts	1,388,188	260,170	.....	582,420	5,224
13	7. Sheets (under ¼ inch)	921,431	87,671	3,297	13,916	1,372
14	For Government contracts	394,074	50,584	.....	13,666	1,372
15	8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).	2,002,352	644,274	95,729	68,839	1,702
16	For Government contracts	1,091,484	452,306	.....	63,372	1,702
17	9. Reinforced-concrete bars	42,869	929	8,043	10,259	195
18	For Government contracts	16,561	103	.....	10,137	195
19	10. Long angle splice bars	45,174	36,017	6,203	336	12
20	For Government contracts	36,768	35,000	.....	306	12
21	11. Structural shapes	1,257,446	372,749	38,938	258,376	2,032
22	For Government contracts	976,221	350,810	.....	247,174	2,032
23	12. Seamless tubes	113,123	25,640	14,709	948	50
24	For Government contracts	53,017	5,444	.....	918	50
25	13. Tubular products other than seamless tubes	235,184	5,244	11,417	8,750	602
26	For Government contracts	99,239	313	.....	8,310	602
	14. Rails:					
27	50 pounds and over	625,251	59,661	500,784	6,445	325
28	For Government contracts	49,866	25,127	.....	5,724	325
29	Under 50 pounds	43,156	10,066	1,580	807	10
30	For Government contracts	19,549	10,026	.....	797	10
31	15. Rail joints, fastenings, and tie-plates	97,787	2,972	91,216	193	1
32	For Government contracts	1,660	359	.....	117	1
33	16. Tin plate	471,752	10,302	518	164	3,823
34	For Government contracts	61,743	3,335	.....	164	3,823
35	17. Barbed wire	71,073	58,398	1,362	7	1
36	For Government contracts	49,550	49,228	.....	.....	1
37	18. Wire rope	13,095	112	777	3,099	49
38	For Government contracts	4,593	64	.....	3,000	49
39	19. Other wire products	515,801	244,525	2,372	203	54
40	For Government contracts	148,435	84,169	.....	193	54
41	20. Hoops, bands, and cotton ties	165,214	73,451	59	121	1
42	For Government contracts	65,943	27,779	.....	63	1
43	21. Tool steel	48,694	5,385	875	732	367
44	For Government contracts	30,844	3,666	.....	710	367
45	22. All other finished, rolled, and drawn iron and steel	623,838	62,395	15,807	5,960	4,051
46	For Government contracts	305,511	44,788	.....	4,983	4,051
47	TOTAL	17,143,205	9,373,487	849,844	981,562	28,645
48	For Government contracts	9,930,775	5,879,846	.....	951,800	28,645
49	23. Scrap iron and steel	5,248,687	4,570,747	47,816	8,176	26,886
50	For Government contracts	2,911,760	2,623,239	.....	6,656	26,886

[1] Including United States Navy Yard, Mare Island, Cal.

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Table III.—ESTIMATED REQUIREMENTS, JULY 1 TO DECEMBER 31, 1918—Continued.

(Tons of 2,000 pounds.)

MANUFACTURERS CLASSIFIED ACCORDING TO CHIEF PRODUCT.											
Agricultural implements and vehicles other than motor vehicles.	Motor vehicles—Automobiles, trucks, and accessories.	Bolts, nuts, rivets, nails, screws, etc.	Electric and electric-power machinery, apparatus, and supplies.	Engines, pumps, compressors, etc., boilers, and tanks.	Machine tools.	Tools and hardware.	Machinery other than the foregoing.	Munitions and ordnance.	Fabrications—Structural and architectural ironwork.	Miscellaneous.	
3,009	5,340	1,356	4,331	22,878	7,243	6,529	7,509	10,191	93,606	5,124	1
266	2,271	.....	3,691	19,570	4,517	2,165	2,856	4,165	91,069	3,620	2
10	19,400	.....	.....	50	56	3	183,471	210,571	.....	47,858	3
.....	19,400	.....	.....	.....	56	.....	183,270	210,571	.....	47,794	4
308	8	.....	8	.....	19	62	62	8	141	1,311	5
.....	1	.....	1	.....	17	51	28	8	.....	926	6
741	.....	2,200	.....	.....	.....	1,400	5	.....	.....	1,235	7
.....	.....	150	.....	.....	.....	492	.....	.....	.....	.....	8
1,057	3,002	58,007	873	290	460	7,778	429	182	3,769	23,018	9
70	2,362	26,429	612	81	183	5,599	208	162	732	9,041	10
21,067	69,915	660	16,330	216,297	2,597	2,844	26,149	20,564	259,758	130,617	11
2,331	63,072	20	12,208	149,948	1,988	1,372	8,411	19,394	203,653	77,977	12
36,433	192,136	20,765	51,091	90,478	4,371	38,974	29,263	4,665	41,835	305,164	13
1,459	105,746	6,953	33,242	34,682	1,250	15,527	7,386	4,268	19,142	98,797	14
261,677	80,486	249,640	19,823	74,920	18,066	81,262	72,376	14,805	104,016	214,737	15
29,814	40,985	168,158	12,460	39,083	10,562	45,110	18,259	12,034	69,672	127,967	16
210	2,123	50	704	305	25	.....	177	20	19,546	283	17
.....	89	5	3	200	12	.....	36	20	5,661	100	18
32	474	.....	165	149	52	311	412	1	295	715	19
.....	242	.....	23	76	50	80	364	1	193	421	20
8,201	14,012	52	12,819	29,133	2,303	1,801	21,567	4,898	413,883	76,682	21
820	7,116	3	6,718	20,069	1,801	699	8,382	3,074	279,484	48,039	22
1,350	11,069	128	456	42,107	317	719	1,891	124	811	12,804	23
215	6,833	117	280	31,469	124	578	513	44	558	5,874	24
14,979	2,168	691	11,142	37,948	2,637	5,755	19,407	130	11,533	102,781	25
776	889	118	3,776	18,087	2,251	2,466	7,172	114	6,800	47,565	26
.....	1,280	.....	969	367	.....	.....	707	.....	5,059	49,654	27
.....	50	.....	265	291	.....	.....	94	.....	2,036	15,954	28
60	335	.....	733	15	30	.....	1,985	.....	822	26,713	29
12	215	.....	577	2	30	.....	192	.....	245	7,443	30
.....	149	.....	17	.....	.....	1	260	.....	336	2,642	31
.....	19	.....	14	.....	.....	1	15	.....	182	952	32
298	2,483	125	109	1,871	43	2,502	1,073	7,085	2,649	438,707	33
.....	156	51	83	47	.....	1,008	192	73	1,664	51,147	34
288	101	110	.....	155	19	1	49	.....	406	10,176	35
.....	1	.....	.....	.....	17	.....	.....	.....	51	252	36
230	847	257	396	284	2,928	833	1,103	50	204	1,926	37
15	112	62	159	97	70	32	277	6	158	492	38
7,447	4,625	26,580	2,685	956	827	11,547	3,520	1,542	7,429	203,489	39
40	1,194	12,545	1,685	267	438	4,753	1,424	528	2,496	38,649	40
16,036	5,969	2,363	2,353	979	161	18,058	1,649	116	335	43,563	41
915	2,506	583	2,118	151	25	4,951	575	91	130	26,055	42
1,032	2,587	966	681	655	12,353	11,686	6,149	956	127	4,143	43
36	1,330	547	463	425	10,170	7,361	3,307	741	68	1,653	44
55,305	208,628	27,423	20,743	15,496	31,789	22,757	49,104	6,543	3,968	93,869	45
5,533	101,833	17,022	12,862	7,029	19,302	10,566	15,048	3,423	1,832	57,239	46
429,770	627,137	391,373	146,428	535,333	88,296	214,823	428,317	282,451	970,528	1,797,211	47
42,302	356,422	232,763	91,240	321,574	52,863	[illegible]	258,099	258,717	685,826	667,957	48

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Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS.

CLASS OF STEEL.	TOTAL.—10,494 ESTABLISHMENTS.				A.—MANUFACTURERS OF THE SPECIFIED PRODUCTS—STEEL WORKS, ROLLING MILLS, ETC. (441 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
		Total.	For Government contracts.			Total.	For Government contracts.		Stocks.	Consumption and requirements.
			Amount.	Per cent.			Amount.	Per cent.		
1. Ingots, blooms, billets, and slabs	1,692,879	10,338,169	6,349,834	61.4	1,639,943	9,995,445	6,073,624	60.8	96.9	96.7
2. Projectile steel	381,000	1,686,144	1,683,927	99.9	267,118	1,000,319	998,619	99.8	70.1	59.3
3. Sheet bars and tin-plate bars	190,317	1,376,576	519,602	37.7	186,646	1,372,284	518,020	37.7	98.1	99.7
4. Skelp, flue, etc	179,317	774,702	263,589	34.0	176,202	765,687	262,712	34.3	98.3	98.8
5. Wire rods	118,398	944,441	295,838	31.3	79,056	763,911	216,681	28.4	66.8	80.9
6. Plates (¼ inch and over)	788,227	2,857,461	2,136,253	74.8	186,815	512,026	389,607	76.1	23.7	18.0
7. Sheets (under ¼ inch)	724,839	1,804,274	618,767	34.3	147,558	159,026	77,112	48.5	20.4	8.8
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	1,213,714	3,760,087	1,895,431	50.4	272,843	1,244,551	810,821	65.1	22.5	33.1
9. Reinforced-concrete bars	85,952	73,302	23,537	32.1	21,362	1,993	206	10.3	24.9	2.7
10. Long angle splice bars	17,956	85,616	69,995	81.8	12,279	70,249	67,165	95.6	68.3	82.1
11. Structural shapes	581,328	2,190,198	1,591,428	72.2	151,539	657,435	587,625	89.4	26.1	30.0
12. Seamless tubes	78,228	204,892	103,286	50.4	11,315	44,852	20,145	44.9	14.5	21.9
13. Tubular products other than seamless tubes	440,333	435,718	163,193	37.5	112,412	9,610	506	5.3	25.5	2.2
14. Rails:										
50 pounds and over	650,256	1,208,804	95,738	7.9	98,204	116,645	47,866	41.0	15.1	9.6
Under 50 pounds	65,649	79,298	41,675	52.6	20,644	20,125	20,032	99.5	31.4	25.4
15. Rail joints, fastenings, and tie-plates	181,334	189,045	3,893	2.1	24,566	3,557	726	20.4	13.6	1.9
16. Tin plate	301,950	889,945	88,707	10.0	45,590	18,158	3,537	19.5	15.1	2.0
17. Barbed wire	10,201	102,482	61,162	58.7	5,062	80,823	60,467	74.8	49.6	79.0
18. Wire rope	24,695	27,976	7,707	27.9	7,854	210	117	55.7	31.8	0.8
19. Other wire products	296,839	991,467	245,635	24.8	163,118	501,480	140,089	27.9	55.0	50.5
20. Hoops, bands, and cotton ties	91,912	312,209	109,717	35.1	22,193	133,976	45,842	34.2	24.2	42.9
21. Tool steel	61,586	92,783	56,331	60.7	19,437	10,093	6,637	65.8	31.3	10.9
22. All other finished, rolled, and drawn iron and steel	412,137	1,264,497	497,654	39.3	75,460	117,045	75,713	64.7	18.3	9.1
TOTAL	8,589,047	31,690,067	16,922,899	53.4	3,747,216	17,599,500	10,423,869	59.2	43.6	55.5
23. Scrap iron and steel	1,873,988	9,701,717	.....	.....	1,429,554	8,447,426	.....	.....	76.3	87.0

CLASS OF STEEL.	B.—WHOLESALERS, JOBBERS, AND DEALERS (942 ESTABLISHMENTS).		C.—RAILROAD COMPANIES (499 ESTABLISHMENTS).				D.—SHIPYARDS (102 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.	Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
	Amount.	Per cent of class total.			Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.
									Amount.	Per cent.		
1. Ingots, blooms, billets, and slabs	259	(1)	6,233	12,687	0.4	0.1	6,577	18,828	18,693	99.2	0.4	0.2
2. Projectile steel	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3. Sheet bars and tin-plate bars	36	(1)	20	163	(1)	(1)	.....	.....	.....	.....	.....	.....
4. Skelp, flue, etc	50	(1)	637	454	0.4	0.1	.....	.....	.....	.....	.....	.....
5. Wire rods	799	0.7	40	76	(1)	(1)	.....	8	8	100.0	.....	(1)
6. Plates (¼ inch and over)	29,227	3.7	69,272	99,356	8.8	3.5	249,746	907,991	883,793	97.3	31.7	31.3
7. Sheets (under ¼ inch)	39,301	5.4	19,170	19,672	2.6	1.1	7,112	23,440	22,257	95.0	1.0	1.3
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	156,003	12.9	93,822	193,357	7.7	5.2	40,013	110,299	100,304	90.9	3.3	2.9
9. Reinforced-concrete bars	22,657	26.4	7,426	13,261	8.6	18.1	371	10,833	10,615	98.0	0.4	14.8
10. Long angle splice bars	20	0.1	4,024	10,054	22.6	11.8	2	409	378	92.4	(1)	0.5
11. Structural shapes	25,937	4.5	38,372	71,475	6.6	3.2	135,289	393,253	371,522	94.5	23.2	18.0
12. Seamless tubes	5,688	7.3	22,814	27,265	29.2	13.3	668	1,332	1,227	92.2	0.9	0.7
13. Tubular products other than seamless tubes	171,103	38.9	14,868	24,881	3.4	5.7	5,067	14,507	13,327	91.9	1.2	3.3
14. Rails:												
50 pounds and over	5,371	0.8	494,935	987,054	76.0	81.7	3,040	11,032	8,880	80.5	0.5	0.9

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Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS—Continued.

CLASS OF STEEL.	E.—WARD EPARTMENT* (10 ESTABLISHMENTS).				F.—MANUFACTURERS OF AGRICULTURAL IMPLEMENTS AND VEHICLES OTHER THAN MOTOR VEHICLES (610 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.	Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
			Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.
							Amount.	Per cent.		
1. Ingots, blooms, billets, and slabs	5,611	10,100	0.3	0.1	1,813	4,910	386	7.9	0.1	(1)
2. Projectile steel	.....	.....	.....	.....	.....	18	.....	.....	.....	(1)
3. Sheet bars and tin-plate bars	.....	.....	.....	.....	172	676	.....	.....	0.1	0.1
4. Skelp, flue, etc	.....	.....	.....	.....	39	1,368	.....	.....	(1)	0.2
5. Wire rods	327	427	0.3	0.1	779	1,947	144	7.2	0.7	0.2
6. Plates (¼ inch and over)	12,647	9,278	1.6	0.3	14,978	42,326	3,798	0.9	1.9	1.5
7. Sheets (under ¼ inch)	6,576	2,628	0.9	0.1	27,489	71,529	2,275	3.2	3.8	4.0
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	5,880	3,021	0.5	0.1	175,203	513,793	51,682	10.1	14.4	13.7
9. Reinforced-concrete bars	2,428	247	2.8	0.3	30	437	13	3.0	(1)	0.6
10. Long angle splice bars	29	24	0.2	(1)	50	64	.....	.....	0.3	0.1
11. Structural shapes	10,109	2,907	1.7	0.1	9,999	17,681	1,281	7.2	1.7	0.8
12. Seamless tubes	232	507	0.3	0.3	1,743	2,578	247	9.6	2.2	1.3
13. Tubular products other than seamless tubes	1,243	1,059	0.3	0.2	9,309	28,985	1,297	4.5	2.1	6.7
14. Rails:										
50 pounds and over	21,333	1,441	3.2	0.1	4	.....	.....	.....	(1)	.....
Under 50 pounds	18,558	23	28.3	(1)	55	101	12	11.9	0.1	0.1
15. Rail joints, fastenings, and tie-plates	7,771	16	4.3	(1)	4	.....	.....	.....	(1)	.....
16. Tin plate	132	6,799	(1)	0.8	218	591	.....	.....	0.1	0.1
17. Barbed wire	1,330	13	13.1	(1)	8	479	.....	.....	0.1	0.5
18. Wire rope	165	77	0.7	0.3	132	457	25	5.5	0.5	1.6
19. Other wire products	2,106	90	0.7	(1)	3,797	14,899	88	0.6	1.4	1.5
20. Hoops, bands, and cotton ties	22	2	(1)	(1)	14,350	31,405	1,703	5.4	15.6	10.1
21. Tool steel	234	660	0.4	0.7	1,292	2,103	57	2.7	2.1	2.3
22. All other finished, rolled, and drawn iron and steel	4,800	7,039	1.1	0.6	43,945	110,816	9,579	8.6	10.7	8.8
TOTAL	101,533	46,358	1.2	0.1	305,409	847,163	72,597	8.6	3.6	2.7
23. Scrap iron and steel	5,354	31,083	0.3	0.3	35,692	155,964	.....	.....	1.9	1.6

CLASS OF STEEL.	G.—MANUFACTURERS OF MOTOR VEHICLES—AUTOMOBILES, TRUCKS, AND ACCESSORIES (590 ESTABLISHMENTS).						H.—MANUFACTURERS OF BOLTS, NUTS, RIVETS, NAILS, SCREWS, ETC. (214 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
		Total.	For Government contracts.		Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.
			Amount.	Per cent.					Amount.	Per cent.		
1. Ingots, blooms, billets, and slabs	1,969	8,696	3,751	43.1	0.1	0.1	220	2,607	.....	.....	(1)	(1)
2. Projectile steel	2,866	19,406	19,406	100.0	0.7	1.2	.....	4,250	4,250	100.0	.....	0.3
3. Sheet bars and tin-plate bars	8	12	2	16.7	(1)	(1)	.....	.....	.....	.....	.....	.....
4. Skelp, flue, etc	.....	.....	.....	.....	.....	.....	759	2,703	250	9.3	0.4	0.4
5. Wire rods	1,598	5,547	4,289	77.3	1.4	0.6	17,491	106,725	44,556	41.8	14.8	11.3
6. Plates (¼ inch and over)	15,955	98,431	81,056	82.3	2.0	3.4	181	1,019	35	3.4	(1)	(1)
7. Sheets (under ¼ inch)	85,535	439,605	145,022	32.8	11.8	24.4	37,644	37,430	10,333	2.8	5.2	2.1
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	50,651	151,112	67,265	44.5	4.2	4.0	95,746	450,299	286,720	63.7	7.9	12.0
9. Reinforced-concrete bars	3,219	5,493	269	4.9	3.7	7.5	30	90	15	16.7	(1)	0.1
10. Long angle splice bars	368	947	430	45.4	2.0	1.1	.....	.....	.....	.....	.....	.....
11. Structural shapes	8,793	23,812	10,961	46.0	1.5	1.1	10	116	7	6.0	(1)	(1)
12. Seamless tubes	7,258	20,553	11,552	56.2	9.3	10.0	105	265	242	91.3	0.1	0.1
13. Tubular products other than seamless tubes	13,509	4,019	1,431	35.6	3.1	0.9	298	1,125	218	19.3	(1)	0.3
14. Rails:												
50 pounds and over	798	2,912	1,292	44.4	0.1	0.2	.....	.....	.....	.....	.....	.....
Under 50 pounds	30	396	265	66.9	0.1	0.5	.....	.....	.....	.....	.....	.....
15. Rail joints, fastenings, and tie-plates	48	381	200	52.5	(1)	0.2	.....	.....	.....	.....	.....	.....
16. Tin plate	318	4,773	255	5.3	0.1	0.5	78	237	88	37.1	(1)	(1)
17. Barbed wire	1	202	2	0.9	(1)	0.2	12	215	.....	.....	0.1	0.2
18. Wire rope	5,922	5,461	165	3.0	24.0	19.5	468	506	123	24.3	1.9	1.8
19. Other wire products	5,735	9,347	2,332	24.9	1.9	0.9	14,962	52,073	19,383	37.2	5.0	5.3
20. Hoops, bands, and cotton ties	6,647	13,763	4,538	33.0	7.2	4.4	1,634	5,205	1,158	22.3	1.8	1.7
21. Tool steel	2,300	5,066	1,924	38.0	3.8	5.2	1,156	1,778	932	52.4	1.9	1.9
22. All other finished, rolled, and drawn iron and steel	75,291	480,910	142,109	29.6	18.5	38.0	19,156	50,025	29,502	59.0	4.6	4.0

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Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS—Continued.

CLASS OF STEEL.	I.—MANUFACTURERS OF ELECTRIC AND ELECTRIC-POWER MACHINERY, APPARATUS, AND SUPPLIES (418 ESTABLISHMENTS).						J.—MANUFACTURERS OF ENGINES, PUMPS, COMPRESSORS, ETC., BOILERS, AND TANKS (629 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
		Total.	For Government contracts.		Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.
			Amount.	Per cent.					Amount.	Per cent.		
1. Ingots, blooms, billets, and slabs	1,151	7,579	6,101	80.5	0.1	0.1	7,263	41,687	36,111	86.6	0.4	0.4
2. Projectile steel	305	128	128	100.0	0.1	(1)	51	100	.....	.....	(1)	(1)
3. Sheet bars and tin-plate bars	59	66	2	3.0	(1)	(1)	17	.....	.....	.....	(1)	.....
4. Skelp, flue, etc	26	.....	.....	.....	(1)	.....	.....	.....	.....	.....	.....	.....
5. Wire rods	1,127	1,416	994	70.2	0.9	0.2	257	578	128	22.1	0.2	0.1
6. Plates (¼ inch and over)	13,960	26,966	19,122	70.9	1.8	0.9	50,688	395,700	263,695	66.6	6.4	13.8
7. Sheets (under ¼ inch)	47,344	99,078	59,925	60.5	6.5	5.5	55,808	166,339	61,770	37.1	7.7	9.2
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	21,147	35,033	19,314	55.1	1.7	0.9	33,740	136,039	70,675	52.0	2.8	3.6
9. Reinforced-concrete bars	239	1,273	62	4.9	0.3	1.8	68	750	346	46.1	0.1	1.0
10. Long angle splice bars	142	293	40	13.7	0.8	0.3	44	318	150	47.1	0.3	0.4
11. Structural shapes	6,748	22,855	11,512	50.4	1.2	1.1	19,826	53,412	35,270	66.6	3.4	2.4
12. Seamless tubes	658	897	511	57.0	0.8	0.4	14,780	75,017	55,165	73.5	18.9	36.6
13. Tubular products other than seamless tubes	5,683	20,137	6,658	33.1	1.3	4.6	18,819	70,585	33,758	78.1	4.3	16.2
14. Rails:												
50 pounds and over	1,096	2,109	440	20.9	0.2	0.2	662	736	511	69.4	0.1	0.1
Under 50 pounds	406	1,287	733	72.5	0.6	1.6	73	55	2	3.6	0.1	0.1
15. Rail joints, fastenings, and tie-plates	65	61	27	44.3	(1)	(1)	3	3	.....	.....	(1)	(1)
16. Tin plate	111	257	208	80.9	(1)	(1)	1,966	3,846	68	1.8	0.7	0.4
17. Barbed wire	.....	.....	.....	.....	.....	.....	41	280	.....	.....	0.4	0.3
18. Wire rope	347	732	342	46.7	1.4	2.6	82	532	184	34.6	0.3	1.9
19. Other wire products	1,298	4,954	2,948	59.5	0.4	0.5	1,075	1,787	515	28.8	0.4	0.2
20. Hoops, bands, and cotton ties	1,102	3,953	3,265	82.6	1.2	1.3	1,686	2,103	358	17.0	1.8	0.7
21. Tool steel	653	1,294	849	65.6	1.1	1.4	490	1,231	784	63.7	0.8	1.3
22. All other finished, rolled, and drawn iron and steel	13,206	36,510	20,717	56.7	3.2	2.9	10,487	28,555	12,496	43.7	2.5	2.2
TOTAL	116,873	266,878	154,098	57.7	1.4	0.8	217,926	979,653	572,186	58.4	2.5	3.1
23. Scrap iron and steel	7,883	25,736	.....	.....	0.4	0.3	46,671	158,568	.....	.....	2.5	1.6

CLASS OF STEEL.	K.—MANUFACTURERS OF MACHINE TOOLS (437 ESTABLISHMENTS).						L.—MANUFACTURERS OF TOOLS AND HARDWARE (807 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
		Total.	For Government contracts.		Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.
			Amount.	Per cent.					Amount.	Per cent		
1. Ingots, blooms, billets, and slabs	4,681	13,248	10,484	79.1	0.3	0.1	2,942	10,465	3,538	33.8	0.2	0.1
2. Projectile steel	190	101	101	100.0	0.1	(1)	.....	6	.....	.....	.....	(1)
3. Sheet bars and tin-plate bars	.....	35	32	91.4	.....	(1)	2,004	74	52	70.3	1.1	(1)
4. Skelp, flue, etc	.....	.....	.....	.....	.....	.....	1,413	2,111	586	27.8	0.8	0.3
5. Wire rods	515	882	384	43.5	0.5	0.1	1,916	13,567	9,080	66.9	1.6	1.4
6. Plates (¼ inch and over)	2,443	5,181	3,123	50.3	0.3	0.2	1,498	5,576	2,634	47.2	0.2	0.2
7. Sheets (under ¼ inch)	2,946	8,656	2,248	26.0	0.4	0.5	22,995	71,593	27,109	37.9	3.2	4.0
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	19,538	35,130	20,441	38.2	1.6	0.9	51,747	146,795	78,427	53.4	4.3	3.9
9. Reinforced-concrete bars	1	100	50	50.0	(1)	0.1	461	.....	.....	.....	0.5	.....
10. Long angle splice bars	4	79	75	94.9	(1)	(1)	2	594	110	18.5	(1)	0.7
11. Structural shapes	2,075	4,586	2,898	63.2	0.4	0.2	576	3,259	1,147	35.2	0.1	0.2
12. Seamless tubes	352	693	255	36.8	0.4	0.3	73	1,427	1,189	83.3	0.1	0.7
13. Tubular products other than seamless tubes	1,216	5,609	4,422	78.8	0.3	1.3	3,947	11,333	3,946	34.8	0.9	2.6
14. Rails:												
50 pounds and over	7	55	.....	.....	(1)	(1)	.....	.....	.....	.....	.....	.....
Under 50 pounds	145	60	60	100.0	0.2	0.1	.....	.....	.....	.....	.....	.....
15. Rail joints, fastenings, and tie-plates	19	5	.....	.....	(1)	(1)	.....	1	1	100.0	.....	(1)
16. Tin plate	30	92	.....	.....	(1)	(1)	869	3,979	1,397	35.1	0.3	0.4
17. Barbed wire	.....	37	34	91.9	(1)	(1)	62	110	100	90.9	0.6	0.1
18. Wire rope	675	5,873	115	2.0	2.7	21.0	189	1,385	37	2.7	0.8	5.0
19. Other wire products	631	1,554	913	58.8	0.2	0.2	6,153	23,043	7,147	31.0	2.1	2.3
20. Hoops, bands, and cotton ties	106	293	52	17.7	0.1	(1)	9,155	36,416	8,183	22.5	10.0	11.7
21. Tool steel	5,915	23,044	19,161	83.1	9.6	24.8	8,253	22,212	12,483	56.2	13.4	23.9
22. All other finished, rolled, and drawn iron and steel	27,555	50,424	37,395	61.9	6.7	4.8	18,625	41,815	18,457	44.1	4.5	3.3

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Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS—Continued.

CLASS OF STEEL.	M.—MANUFACTURERS OF MACHINERY OTHER THAN THE FOREGOING (1,023 ESTABLISHMENTS).						N.—MANUFACTURERS OF MUNITIONS AND ORDNANCE (60 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
		Total.	For Government contracts.		Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.
			Amount.	Per cent.					Amount.	Per cent.		
1. Ingots, blooms, billets, and slabs	4,935	15,986	6,690	41.8	0.3	0.2	1,366	19,744	13,150	66.6	0.1	0.2
2. Projectile steel	12,354	297,282	297,020	99.6	3.3	17.6	83,103	304,284	304,284	100.0	21.8	18.0
3. Sheet bars and tin-plate bars	273	113	44	38.9	0.1	(1)	5	45	13	28.9	(1)	(1)
4. Skelp, flue, etc	.....	8	.....	.....	.....	(1)	.....	.....	.....	.....	.....	.....
5. Wire rods	341	880	306	34.8	0.3	0.1	165	410	350	85.4	0.1	(1)
6. Plates (¼ inch and over)	17,761	50,295	14,544	28.9	2.2	1.8	9,216	33,974	26,594	78.3	1.2	1.2
7. Sheets (under ¼ inch)	19,511	58,016	11,971	20.6	2.7	3.2	6,470	8,956	7,884	88.0	0.9	0.5
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	50,561	140,859	42,896	30.5	4.2	3.7	5,807	25,732	19,149	74.4	0.5	0.7
9. Reinforced-concrete bars	189	445	75	16.9	0.2	0.6	46	40	40	100.0	0.1	0.1
10. Long angle splice bars	127	618	505	81.7	0.7	0.7	.....	2	2	100.0	.....	(1)
11. Structural shapes	17,783	42,293	15,003	35.5	3.1	1.9	3,588	10,105	5,233	51.8	0.6	0.5
12. Seamless tubes	1,823	3,566	1,179	33.1	2.3	1.7	335	255	79	31.0	0.4	0.1
13. Tubular products other than seamless tubes	21,212	36,237	11,842	32.7	4.8	8.3	69	262	218	83.2	(1)	0.1
14. Rails:												
50 pounds and over	738	1,388	192	13.8	0.1	0.1	.....	20	.....	.....	.....	(1)
Under 50 pounds	1,043	3,995	459	11.5	1.6	5.0	.....	.....	.....	.....	.....	.....
15. Rail joints, fastenings, and tie-plates	410	454	22	4.8	0.2	0.2	20	.....	.....	.....	(1)	.....
16. Tin plate	784	2,026	379	14.4	0.3	0.2	3,418	14,572	149	1.0	1.1	1.6
17. Barbed wire	13	98	1	1.0	0.1	0.1	.....	.....	.....	.....	.....	.....
18. Wire rope	667	2,114	513	24.3	2.7	7.6	4	88	41	46.6	(1)	0.3
19. Other wire products	2,956	6,705	2,401	35.8	1.0	0.7	569	2,992	1,350	45.1	0.2	0.3
20. Hoops, bands, and cotton ties	941	3,338	1,099	32.9	1.0	1.0	199	273	215	79.1	0.2	0.1
21. Total steel	4,744	12,246	6,559	53.6	7.7	13.2	756	1,658	1,209	72.5	1.3	1.1
22. All other finished, rolled, and drawn iron and steel	34,573	93,870	28,539	30.4	8.4	7.4	5,470	13,565	7,357	54.2	1.3	1.1
TOTAL	193,739	772,782	442,239	57.2	2.2	2.4	120,606	436,987	387,318	88.6	1.4	1.4
23. Scrap iron and steel	29,405	135,287	.....	.....	1.6	1.4	5,355	16,329	.....	.....	0.3	0.2

CLASS OF STEEL.	O.—FABRICATIONS—STRUCTURAL AND ARCHITECTURAL IRONWORK (636 ESTABLISHMENTS).						P.—MISCELLANEOUS (3,076 ESTABLISHMENTS).					
	Stocks, Sept 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
		Total.	For Government contracts.		Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.
			Amount.	Per cent.					Amount.	Per cent.		
1. Ingots, blooms, billets, and slabs	2,774	166,786	160,998	96.5	0.1	1.6	5,142	9,401	6,208	66.0	0.3	0.1
2. Projectile steel	392	2	.....	.....	0.1	(1)	14,621	60,248	60,119	99.8	3.8	3.6
3. Sheet bars and tin-plate bars	79	283	11	3.9	(1)	(1)	998	2,825	1,426	50.0	0.5	0.2
4. Skelp, flue, etc	1	.....	.....	.....	(1)	.....	190	2,371	41	1.7	0.1	0.3
5. Wire rods	935	7,399	1,879	25.4	0.7	0.7	13,052	40,668	16,612	40.8	11.0	4.3
6. Plates (¼ inch and over)	77,674	450,411	331,741	73.7	9.9	15.8	36,166	218,931	107,233	49.0	4.6	7.7
7. Sheets (under ¼ inch)	19,350	82,588	34,802	42.1	2.7	4.6	180,030	555,718	153,431	27.6	24.8	30.8
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	43,013	192,698	117,013	60.7	3.5	5.1	98,000	381,369	207,713	54.5	8.1	10.2
9. Reinforced-concrete bars	27,014	37,699	11,442	30.3	31.4	51.4	411	641	157	24.5	0.5	0.9
10. Long angle splice bars	374	512	307	74.5	2.1	0.6	491	1,434	807	56.4	2.6	1.7
11. Structural shapes	124,943	757,801	478,818	63.2	21.5	34.6	25,741	129,208	67,244	52.0	4.4	5.9
12. Seamless tubes	442	1,524	1,073	70.4	0.6	0.8	9,942	24,161	9,915	41.0	12.7	11.8
13. Tubular products other than seamless tubes	7,852	21,932	12,703	57.9	1.8	5.0	53,726	185,437	71,608	38.6	12.0	42.6
14. Rails:												
50 pounds and over	1,736	9,209	3,691	40.1	0.3	0.8	22,332	76,203	31,425	41.2	3.4	6.3
Under 50 pounds	911	1,823	747	41.0	1.4	2.3	12,633	45,158	17,875	39.6	19.2	57.0
15. Rail joints, fastenings, and tie-plates	564	593	252	42.5	0.3	0.3	2,643	4,934	2,347	47.6	1.5	2.6
16. Tin plate	502	4,903	2,859	58.3	0.2	0.6	236,855	828,532	72,766	8.8	78.5	93.1
17. Barbed wire	60	727	72	1.0	0.6	0.7	319	16,977	473	2.8	3.1	16.6
18. Wire rope	85	377	262	69.5	0.3	1.3	4,256	3,519	826	23.5	17.4	12.6
19. Other wire products	2,099	13,875	4,593	33.1	0.7	1.4	54,719	353,594	63,459	17.9	18.4	35.7
20. Hoops, bands, and cotton ties	1,050	781	247	31.6	1.2	0.2	21,790	80,470	42,976	53.4	23.7	25.8
21. Tool steel	137	353	138	39.1	0.2	0.4	8,923	8,225	3,775	45.9	14.5	8.9
22. All other finished, rolled, and drawn iron and steel	3,237	7,780	3,319	42.7	0.8	0.7	52,365	172,680	96,602	55.9	12.7	13.7

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Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS—Continued.
(Per cent distribution based on figures shown on the preceding pages.)

CLASS OF STEEL.	STOCKS.															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Steel works, rolling mills, etc.	Wholesalers, jobbers, and dealers.	Railroad companies.	Shipyards.	War Department.	Agricultural implements, etc.	Motor vehicles, etc.	Bolts, nuts, etc.	Electric machinery, etc.	Engines, pumps, etc.	Machine tools.	Tools and hardware.	Other machinery.	Munitions and ordnance.	Fabrications.	Miscellaneous.
1. Ingots, blooms, billets, and slabs	96.9	(1)	0.4	0.4	0.3	0.1	0.1	(1)	0.1	0.4	0.3	0.2	0.3	0.1	0.1	0.3
2. Projectile steel	70.1	.....	.....	.....	.....	.....	0.7	.....	0.1	(1)	0.1	.....	3.3	21.8	0.1	3.8
3. Sheet bars and tin-plate bars	98.1	(1)	(1)	.....	.....	0.1	(1)	.....	(1)	(1)	.....	1.1	0.1	(1)	(1)	0.5
4. Skelp, flue, etc	98.3	(1)	0.4	.....	.....	(1)	.....	0.4	(1)	.....	.....	0.8	.....	.....	(1)	0.1
5. Wire rods	66.8	0.7	(1)	.....	0.3	0.7	1.4	14.8	0.9	0.2	0.5	1.6	0.3	0.1	0.7	11.0
6. Plates (¼ inch and over)	23.7	3.7	8.8	31.7	1.6	1.9	2.0	(1)	1.8	6.4	0.3	0.2	2.2	1.2	9.9	4.6
7. Sheets (under ¼ inch)	20.4	5.4	2.6	1.0	0.9	3.8	11.8	5.2	6.5	7.7	0.4	3.2	2.7	0.9	2.7	24.8
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	22.5	12.9	7.7	3.3	0.5	14.4	4.2	7.9	1.7	2.8	1.6	4.3	4.2	0.5	3.5	8.1
9. Reinforced-concrete bars	24.9	26.4	8.6	0.4	2.8	(1)	3.7	(1)	0.3	0.1	(1)	0.5	0.2	0.1	31.4	0.5
10. Long angle splice bars	68.3	0.1	22.6	(1)	0.2	0.3	2.0	.....	0.8	0.3	(1)	(1)	0.7	.....	2.1	2.6
11. Structural shapes	26.1	4.5	6.6	23.2	1.7	1.7	1.5	(1)	1.2	3.4	0.4	0.1	3.1	0.6	21.5	4.4
12. Seamless tubes	14.5	7.3	29.2	0.9	0.3	2.2	9.3	0.1	0.8	18.9	0.4	0.1	2.3	0.4	0.6	12.7
13. Tubular products other than seamless tubes	25.5	38.9	3.4	1.2	0.3	2.1	3.1	(1)	1.3	4.3	0.3	0.9	4.8	(1)	1.8	12.0
14. Rails:																
50 pounds and over	15.1	0.8	76.0	0.5	3.2	(1)	0.1	.....	0.2	0.1	(1)	.....	0.1	.....	0.3	3.4
Under 50 pounds	31.4	9.0	7.5	0.5	28.3	0.1	0.1	.....	0.6	0.1	0.2	.....	1.6	.....	1.4	19.2
15. Rail joints, fastenings, and tie-plates	13.6	0.6	79.4	0.1	4.3	(1)	(1)	.....	(1)	(1)	(1)	.....	0.2	(1)	0.3	1.5
16. Tin plate	15.1	3.5	0.1	(1)	(1)	0.1	0.1	(1)	(1)	0.7	(1)	0.3	0.3	1.1	0.2	78.5
17. Barbed wire	49.6	14.3	18.0	(1)	13.1	0.1	(1)	0.1	(1)	0.4	.....	0.6	0.1	.....	0.6	3.1
18. Wire rope	31.8	7.3	2.9	5.3	0.7	0.5	24.0	1.9	1.4	0.3	2.7	0.8	2.7	(1)	0.3	17.4
19. Other wire products	55.0	11.3	1.3	(1)	0.7	1.4	1.9	5.0	0.4	0.4	0.2	2.1	1.0	0.2	0.7	18.4
20. Hoops, bands, and cotton ties	24.2	11.9	0.1	(1)	(1)	15.6	7.2	1.8	1.2	1.8	0.1	10.0	1.0	0.2	1.2	23.7
21. Tool steel	31.3	9.1	1.9	0.9	0.4	2.1	3.8	1.9	1.1	0.8	9.6	13.4	7.7	1.3	0.2	14.5
22. All other finished, rolled, and drawn iron and steel	18.3	3.7	2.7	0.3	1.1	10.7	18.5	4.6	3.2	2.5	6.7	4.5	8.4	1.3	0.8	12.7
TOTAL	43.6	6.3	10.9	5.3	1.2	3.6	3.4	2.2	1.4	2.5	0.8	1.5	2.2	1.4	3.7	10.0
23. Scrap iron and steel	76.3	0.9	7.8	0.3	0.3	1.9	0.7	0.5	0.4	2.5	0.8	0.7	1.6	0.3	0.9	4.1

CLASS OF STEEL.	CONSUMPTION AND REQUIREMENTS (TOTAL): 1918.														
	A	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Steel works, rolling mills, etc.	Railroad companies.	Shipyards.	War Department.	Agricultural implements, etc.	Motor vehicles, etc.	Bolts, nuts, etc.	Electric machinery, etc.	Engines, pumps, etc.	Machine tools.	Tools and hardware.	Other machinery.	Munitions and ordnance.	Fabrications.	Miscellaneous.
1. Ingots, blooms, billets, and slabs	96.7	0.1	0.2	0.1	(1)	0.1	(1)	0.1	0.4	0.1	0.1	0.2	0.2	1.6	0.1
2. Projectile steel	59.3	.....	.....	.....	(1)	1.2	0.3	(1)	(1)	(1)	(1)	17.6	18.0	(1)	3.6
3. Sheet bars and tin-plate bars	99.7	(1)	.....	.....	0.1	(1)	.....	(1)	.....	(1)	(1)	(1)	(1)	(1)	0.2
4. Skelp, flue, etc	98.8	0.1	.....	.....	0.2	.....	0.4	.....	.....	.....	0.3	(1)	.....	.....	0.3
5. Wire rods	80.9	(1)	(1)	0.1	0.2	0.6	11.3	0.2	0.1	0.1	1.4	0.1	(1)	0.7	4.3
6. Plates (¼ inch and over)	18.0	3.5	31.3	0.3	1.5	3.4	(1)	0.9	13.8	0.2	0.2	1.8	1.2	15.8	7.7
7. Sheets (under ¼ inch)	8.8	1.1	1.3	0.1	4.0	24.4	2.1	5.5	9.2	0.5	4.0	3.2	0.5	4.6	30.8
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	33.1	5.2	2.9	0.1	13.7	4.0	12.0	0.9	3.6	0.9	3.9	3.7	0.7	5.1	10.2
9. Reinforced-concrete bars	2.7	18.1	14.8	0.3	0.6	7.5	0.1	1.8	1.0	0.1	.....	0.6	0.1	51.4	0.9
10. Long angle splice bars	82.1	11.8	0.5	(1)	0.1	1.1	.....	0.3	0.4	(1)	0.7	0.7	(1)	0.6	1.7
11. Structural shapes	30.0	3.2	18.0	0.1	0.8	1.1	(1)	1.1	2.4	0.2	0.2	1.9	0.5	34.6	5.9
12. Seamless tubes	21.9	13.3	0.7	0.3	1.3	10.0	0.1	0.4	36.6	0.3	0.7	1.7	0.1	0.8	11.8
13. Tubular products other than seamless tubes	2.2	5.7	3.3	0.2	6.7	0.9	0.3	4.6	16.2	1.3	2.6	8.3	0.1	5.0	42.6
14. Rails:															
50 pounds and over	9.6	81.7	0.9	0.1	.....	0.2	.....	0.2	0.1	(1)	.....	0.1	(1)	0.8	6.3
Under 50 pounds	25.4	6.3	1.6	(1)	0.1	0.5	.....	1.6	0.1	0.1	.....	5.0	.....	2.3	57.0
15. Rail joints, fastenings, and tie-plates	1.9	94.5	0.3	(1)	.....	0.2	.....	(1)	(1)	(1)	(1)	0.2	.....	0.3	2.6
16. Tin plate	2.0	0.1	(1)	0.8	0.1	0.5	(1)	(1)	0.4	(1)	0.4	0.2	1.6	0.6	93.1
17. Barbed wire	79.0	2.4	(1)	(1)	0.5	0.2	0.2	.....	0.3	(1)	0.1	0.1	.....	0.7	16.6
18. Wire rope	0.8	5.4	18.3	0.3	1.6	19.5	1.8	2.6	1.9	21.0	5.0	7.6	0.3	1.3	12.6
19. Other wire products	50.5	0.5	(1)	(1)	1.5	0.9	5.3	0.5	0.2	0.2	2.3	0.7	0.3	1.4	35.7
20. Hoops, bands, and cotton ties	42.9	(1)	(1)	(1)	10.1	4.4	1.7	1.3	0.7	0.1	11.7	1.0	0.1	0.2	25.8
21. Tool steel	10.9	1.7	1.3	0.7	2.3	5.2	1.9	1.4	1.3	24.8	23.9	13.2	1.1	0.4	8.9
22. All other finished, rolled, and drawn iron and steel	9.1	2.7	0.8	0.6	8.8	38.0	4.0	2.9	2.2	4.8	3.3	7.4	1.1	0.7	13.7

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CONFIDENTIAL—(WAR MEASURE)
To be forwarded within 10 days

WAR INDUSTRIES BOARD

BERNARD BARUCH, CHAIRMAN

IN COOPERATION WITH THE

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

STATISTICS OF IRON AND STEEL PRODUCTS

EUGENE F. HARTLEY

CHIEF STATISTICIAN FOR MANUFACTURES

NAME OF ESTABLISHMENT.....

LOCATION OF ESTABLISHMENT: State....., City or town.....

ADDRESS OF GENERAL OFFICE.....

NATURE OF BUSINESS..... Class A, B, or C.....
(Such as "tube mill," "jobber," "tool manufacturer," etc.)

IF A COMBINED REPORT, ENUMERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT. NAMES AND ADDRESSES:

.....

.....

.....

.....

The following classes of establishments are asked to report:

A. Steel works, rolling mills, tube mills, forging shops, wire-drawing mills, tinplate mills, and all other manufacturers of the products mentioned in Inquiry I of this questionnaire.

B. Wholesalers, jobbers, dealers, warehouses, and supply houses carrying stocks of the products listed under Inquiry I of this questionnaire.

C. Consumers of these products or establishments using them in the manufacture of more highly finished products.

WASHINGTON, D. C., *August 21, 1918.*

A census of capacity and stocks of iron and steel products, accurate data concerning which are absolutely *necessary to the proper* conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce * * * shall * * * from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent."

And the special authority of the President of the United States, under date of April 8, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics may be placed at the disposal of the trade.

Important.—The present war emergency demands the patriotic cooperation of all interests that centralized information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. **Accurate** and **prompt** replies are imperative.

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

.....
(Signature of person furnishing the information.)

.....
(Title and address.)

Date, ..., 1918.

I. Stocks on Hand or in Transit to Establishment.

Report stocks as of September 1, 1918.

(a) This inquiry is designed primarily to show the stocks of iron and steel available for the manufacture and fabrication of finished iron and steel commodities, tools, machines, and constructions as a basis of war program.

The following classes of establishments are asked to report:

A. Steel works, rolling mills, tube mills, forging shops, wire-drawing mills, tinplate mills, and all other manufacturers of the products mentioned in Inquiry I of this questionnaire.

B. Wholesalers, jobbers, dealers, warehouses, and supply houses carrying stocks of the products listed under Inquiry I of this questionnaire.

C. Consumers of these products or establishments using them in the manufacture of more highly finished products.

(b) All classes of establishments: Report stocks in possession in your own mills, works, warehouses, storerooms, and other space owned or rented by you in the United States and Canada whether you have title to the stocks or not. Establishments will not report stocks already in process of manufacture into more highly finished forms. Include stocks in transit to you.

(c) Establishments of the first (A) and second (B) classes, that is manufacturers of the products listed under this inquiry and dealers in the same, should not report stocks *sold and in transit* from their mills or warehouses as these will be reported by the consignee or purchaser.

State all tonnage in net tons of 2,000 pounds.

	TONS.
1. Ingots, blooms, billets, and slabs	
2. Sheet bar and tinplate bar	
3. Skelp, flue, etc.	
4. Wire rods	
5. Projectile steel	
6. Plates (¼ inch and over in thickness)	
7. Sheets (under ¼ inch in thickness)	
8. Merchant bars and shapes under 3 inches (including spike and chain rods, bolt and nut rods, horseshoe bars, etc.)	
9. Reinforced-concrete bars	
10. Long angle splice bars	
11. Structural shapes	
12. Seamless tubes	
13. Tubular products other than seamless tubes	
14. Rails:	
50 pounds and over	
Under 50 pounds	
15. Rail joints, fastenings, and tie-plates	
16. Tinplate	
17. Barbed wire	
18. Wire rope	
19. Other wire products	
20. Hoops, bands, and cotton ties	
21. Tool steel	
22. All other finished, rolled, and drawn iron and steel (specify the principal commodities and tonnage; do not include pig iron, castings, forgings, or parts finished or in process)	
23. Scrap iron and steel	

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II. Consumption, 1918.

(a) In column I, state the total amount of iron and steel of each class used during the six months ending June 30, 1918.

(b) In column II, state the total amount of iron and steel of each class used for Government contracts or subcontracts. Include only iron and steel used during the first six months in filling Government orders, contracts, or subcontracts. This should include contracts for any branch of the United States Government or any foreign Government. Do not include iron and steel used in the manufacture of products that eventually were bought by the Government, but not directly covered by Government contracts or subcontracts.

(c) In column III, state the estimated requirements of iron and steel of each class for the period, July 1 to December 31, 1918, to keep plants running at full capacity. Include that already used since July 1.

(d) In column IV, state the estimated requirements of iron and steel of each class to fill Government orders, contracts, or subcontracts during the six months, July 1 to December 31, 1918. Include only requirements for contracts which are actually booked prior to Setpember 1, not those under negotiation or anticipated. Include iron and steel used, except those excluded below in Item 23, on contracts since July 1, as well as estimated amount necessary on contracts to December 31, 1918.

State all tonnage in net tons of 2,000 pounds.

CLASS OF STEEL.	IRON AND STEEL USED FOR SIX MONTHS ENDING JUNE 30, 1918.		IRON AND STEEL REQUIREMENTS ESTIMATED FOR SIX MONTHS ENDING DECEMBER 31, 1918.	
	(I) Total quantity.	(II) Quantity used for Government contracts.	(III) Total quantity.	(IV) Quantity to fill Government contracts.
1. Ingots, blooms, billets, and slabs				
2. Sheet bar and tinplate bar				
3. Skelp, fluo, etc				
4. Wire rods				
5. Projectile steel				
6. Plates (¼ inch and over in thickness)				
7. Sheets (under ¼ inch in thickness)				
8. Merchant bars and shapes under 3 inches (including spike and chain rods, bolt and nut rods, horseshoe bars, etc.)				
9. Reinforced concrete bars				
10. Long angle splice bars				
11. Structural shapes				
12. Seamless tubes				
13. Tubular products other than seamless tubes				
14. Rails:				
50 pounds and over				
Under 50 pounds				
15. Rail joints, fastenings, and tie-plates				
16. Tinplate				
17. Barbed wire				
18. Wire rope				
19. Other wire products				
20. Hoops, bands, and cotton ties				
21. Tool steel				
22. All other finished, rolled and drawn iron and steel (specify the principal commodities and tonnage; do not include pig iron, castings, forgings, or parts finished or in process)				
23. Scrap iron and steel				

III. Production of Consuming Establishments.

Establishments of Class C (consumers) will report below the production of principal articles, in which material listed in inquiries I and II in some form is an important item of raw material, from January 1 to June 30, 1918.

(a) Include only articles in which material listed in inquiries I and II in some form is an important item of raw material.

(b) List a sufficient number of articles to represent 90% or more of your consumption of the material listed in inquiries I and II.

(c) Include as nearly as possible quantities of articles actually completed for the market whether on contract or not, and whether delivered or not, during the six months period, January 1 to June 30, 1918.

State unit of measure commonly used in each case, such as 200-pound kegs of nails, etc.

NAME OF ARTICLE.	PRODUCTION, JAN. 1–JUNE 30, 1918.	
	Specify unit of measure used in reporting quantity.	Quantity.

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DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR

CENSUS OF WAR COMMODITIES

LEATHER STATISTICS

LEATHER STOCKS, BOOTS AND SHOES, AND OTHER MANUFACTURES OF LEATHER

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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LEATHER STOCKS, BOOTS AND SHOES, AND OTHER MANUFACTURES OF LEATHER.

By ARTHUR B. BUTMAN.

SCOPE OF THE REPORT.

The Bureau of the Census, at the request of the War Industries Board, took a monthly census of stocks of leather on hand and in transit in the United States and of the quantities of boots and shoes, gloves, harness and saddlery, and other leather goods manufactured and on hand.

The United States was thoroughly canvassed to ascertain the leather stocks on hand May 31, 1918 Schedules were sent to manufacturers of boots and shoes, gloves, and harness and saddlery, and to dealers in leather and to tanners who do not make reports to the Tanners' Council. In order to include all establishments where there was likelihood of a leather supply, schedules were also sent to manufacturers of automobiles, carriages and wagons, and to repair shops, etc. Of the 26,200 establishments to which schedules were mailed for May, only 3,266 reported leather stocks on hand. As a result of this first inquiry for leather stocks, many names were stricken from the mailing list and for subsequent reports much smaller numbers of schedules were sent out.

A census of boots and shoes and other manufactured leather goods was first taken as of June 30, 1918, to obtain the quantities manufactured and the stocks on hand or in transit.

The results of these censuses are presented in this report. The data shown are for the leather stocks reported to the Census Bureau as on hand or in transit in the United States at the end of each month from May to December, 1918, inclusive, and for the quantities of boots and shoes, gloves, harness and saddlery, and other leather goods, manufactured during each month and stocks of these on hand or in transit at the end of each month from June to December, 1918.

In the case of leather stocks, the schedule requested that the stocks reported to the Tanners' Council should not be included in the census returns, but data for stocks of finished leather reported to them were obtained from the Tanners' Council and are shown in a table in connection with Census Office statistics.

DESCRIPTION OF GENERAL TABLES.

Following is a description of the five tables which have been prepared, and which are shown at the end of the report:

TABLE I.—*Leather stocks on hand and in transit in and tanners (not reporting to the Tanners' Council): 1918.*—This table shows the number of establishments reporting and presents a summary of the total leather stocks reported to the Census Bureau, showing the number of hides, skins, etc., with equivalent in pounds or square feet. The data are also shown as reported by the several classes of manufacturers, dealers, and tanners, and the number of establishments is further shown by geographic divisions.

TABLE II.—*Finished leather on hand and in transit at the end of each month from May to December, as reported to the Bureau of the Census and to the Tanners' Council: 1918.*—This table shows combined and separately the number of the various kinds of hides, skins, etc., and pounds of sole offal reported to the Bureau of the Census and to the Tanners' Council.

TABLE III.—*Boot and shoe cut stock and findings on hand and in transit for each month from May to December, as reported to the Bureau of the Census: 1918.*—The number of pairs, pounds, or yards of the various kinds of cut stock and findings are given, with a segregation into "Men's, boys', and youths' " and "Women's, misses', and children's" where applicable.

TABLE IV.—*Boots and shoes and leather goods manufactured and stocks on hand and in transit, as reported to the Bureau of the Census: 1918.*—This table shows the number of dozen pairs of the various kinds of boots and shoes, and of gloves, the number of single sets of harness and saddlery, the number of spare parts for military harness, and the number or pounds of other miscellaneous leather goods which were manufactured during each month from June to December, 1918, inclusive, as well as the stocks of these on hand at the end of each month.

TABLE V.—*Number of establishments reporting to the Bureau of the Census quantities of boots and shoes and leather goods manufactured and stocks on hand and in transit, by classes of manufacturers and dealers and by geographic divisions: 1918.*—Table V shows the number of establishments reporting for each month from June to December, according to manufacturers of and dealers in boots and shoes, harness and saddlery, gloves, and other leather goods.

STOCKS OF LEATHER.

The data for leather stocks show that the various kinds of "shoe upper leather" reported far exceeded the quantities of patent, fancy, and glove leather.

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The stocks of each of the principal classes of leather reported July 31, 1918, were as follows:

	Square feet.
Shoe upper leather	173,798,474
Patent leather	6,767,002
Glove leather	28,281,490
Fancy leather	2,597,841

The distribution of the stocks of shoe upper leather on July 31, 1918, is shown in the statement below.

STOCKS OF SHOE UPPER LEATHER, JULY 31, 1918.

CLASS.	Number of establishments reporting	Quantity (square feet).
Total	3,883	173,798,474
Boot and shoe manufacturers	921	155,490 343
Cut stock manufacturers	241	1,833 819
Harness and saddlery manufacturers	550	1,025 078
Glove manufacturers	254	1 454,814
Other leather goods manufacturers	901	4,541 727
Dealers	999	9,052 240
Tanners (not reporting to the Tanners' Council)	17	460,453

It will be noted that 155,490,343 square feet, or 89.5 per cent, of the total amount of "shoe upper leather" shown was reported by 921 boot and shoe manufacturers. The location of these establishments and the leather in stock is shown geographically in the following statement:

STOCKS OF SHOE UPPER LEATHER REPORTED BY BOOT AND SHOE MANUFACTURERS, JULY 31, 1918, BY GEOGRAPHIC DIVISIONS.

GEOGRAPHIC DIVISION.	Number of establishments reporting	Quantity (square feet).
United States	921	155,490,343
New England	406	75 859,552
Middle Atlantic	277	33,084,802
East North Central	135	22,800,560
West North Central	50	18 455.741
South Atlantic	18	2,168,540
East South Central	8	2,157,153
West South Central	8	396.018
Mountain	1	32,647
Pacific	18	535,330

Boot and shoe manufacturers in 10 states reported 145,489,801 square feet, or 83.7 per cent, of the total quantity of shoe upper leather reported by all classes of manufacturers, dealers, and tanners (not reporting to the Tanners' Council) in the United States. The 10 states with the number of boot and shoe manufacturers reporting and the square feet of leather are shown below.

STOCKS OF SHOE UPPER LEATHER REPORTED BY BOOT AND SHOE MANUFACTURERS IN 10 LEADING STATES, JULY 31, 1918.

STATE.	Number of establishments reporting.	Quantity (square feet).
Massachusetts	340	61,043,732
New York	160	21,389,234
Missouri	26	15,583,326
New Hampshire	36	10,378.492
Pennsylvania	94	9,838,659
Ohio	40	9,684,675
Wisconsin	48	6,858,748
Illinois	31	4,914,183
Maine	28	4,402,492
Virginia	6	1,396,200

BOOTS AND

As the relation between shoe and shoes manufactured is clo of the total quantity of shoe at the time can be gained by c shoes manufactured during the stocks of shoe upper leath July.

The output of boots and sh reported as manufactured 2,677,684 dozen pairs, of whi were men's; 847,001, women' boys', misses', children's, and number of dozen pairs, cent, were manufactured by ing boots and shoes exclusive distribution of this product of 2,671,858 dozen pairs, accor sions, and according to the 97.5 per cent of the number o

BOOTS, SHOES, AND SLIPPERS M 1918, BY BOOT AND SHOE MANU GEOGRAPHIC DIVISIONS.

GEOGRAPHIC DIVISION.	Total.
	Dozen pairs.
United States	2 671,858
New England	1,232,219
Middle Atlantic	893,188
East North Central	218,771
West North Central	227 466
South Atlantic	55,029
East South Central	21,401
West South Central	5,992
Mountain	167
Pacific	14,625

BOOTS, SHOES, AND SLIPPERS MANU MANUFACTURERS DURING JULY, 19

STATE.	Total.
	Dozen pairs
Massachusetts	642,086
New York	558,234
Pennsylvania	295,602
Missouri	207,662
New Hampshire	160,228
Maine	96,748
Ohio	75,437
Wisconsin	72,963
Illinois	51,956
New Jersey	39,352
Maryland	35,235
Virginia	20 943
Minnesota	17,288
Michigan	13.424
California	10,810
Louisiana	5,928
Georgia	1,234

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918.

[The month of maximum number and quantity for each class and kind of leather is indicated by **boldface** figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
TOTAL LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES.									
Total number of establishments reporting		3,266	3,657	3,883	4,151	4,241	4,201	4,214	4,376
Boot and shoe manufacturers		762	873	921	1,015	995	995	992	994
Cut stock manufacturers		186	224	241	255	257	249	243	247
Harness and saddlery manufacturers		528	532	550	563	574	577	578	571
Glove manufacturers		206	232	254	258	266	272	277	276
Other leather goods manufacturers		756	829	901	972	1,011	985	988	982
Dealers		795	938	999	1,069	1,116	1,111	1,120	1,292
Tanners (not reporting to the Tanners' Council)		33	29	17	19	22	12	16	14
Sole leather, backs, bends, and sides	Number	*1,194,536*	1,402,878	1,748,530	1,667,776	1,878,248	1,945,983	1,735,755	**2,228,346**
	Pounds	*18,390,526*	20,078,238	28,108,899	26,860,314	30,576,947	32,017,978	28,438,988	**34,638,490**
Sole offal leather	Pounds	*50,119,941*	31,974,717	31,357,940	44,519,702	42,619,783	**45,419,094**	43,501,883	43,231,634
SHOE UPPER LEATHER (except patent), total [1]	Square feet	148,127,122	148,294,264	**173,798,474**	170,546,249	166,391,407	149,365,525	*147,067,356*	156,787,266
Cattle—									
Grains, sides	Number	*1,941,351*	2,167,944	**2,809,561**	2,772,517	2,715,820	2,070,297	2,228,038	2,281,610
	Square feet	*31,503,129*	38,436,384	**45,244,193**	43,803,989	42,762,432	34,211,405	35,911,527	36,726,993
Splits—									
Whole sides	Number	757,086	876,841	**1,103,867**	705,663	704,911	*617,725*	716,797	912,001
	Square feet	8,627,956	10,450,024	**13,158,464**	7,189,366	7,127,614	*6,734,025*	7,095,896	10,545,449
Butts	Number	709,958	651,502	**775,919**	716,894	753,388	550,590	602,731	*488,419*
	Square feet	4,889,118	4,439,647	**5,299,758**	4,440,372	4,028,669	3,761,032	3,687,001	*3,136,925*
Horse—									
Fronts	Number	162,391	179,751	181,080	173,730	154,333	150,008	*118,267*	141,853
	Square feet	2,197,146	2,589,339	**2,639,329**	2,511,771	2,235,121	2,262,104	*1,756,970*	1,971,221
Butts	Number	219,142	264,353	280,399	222,083	*207,666*	211,204	218,031	243,008
	Square feet	2,330,342	2,710,669	3,070,934	2,221,937	2,335,638	2,263,066	*2,014,752*	2,304,383
Colt, ass, and mule, skins	Number	47,847	*22,059*	44,002	58,401	58,405	**60,878**	52,608	50,958
	Square feet	*344,333*	361,500	534,996	**640,746**	622,157	632,619	548,737	578,670
Calf and kip, skins	Number	2,120,804	**1,920,293**	*1,944,497*	2,166,246	2,146,798	1,973,538	2,036,762	2,059,905
	Square feet	21,197,125	*18,420,356*	22,776,105	**24,706,797**	24,576,051	23,114,128	22,881,758	23,564,340
Sheep and lamb, skins	Number	2,881,481	2,764,705	**2,902,137**	2,751,744	2,674,130	2,583,941	*2,522,758*	2,747,764
	Square feet	**27,018,254**	21,326,804	22,682,371	21,375,662	20,235,902	19,896,449	*18,038,857*	20,813,996
Goat and kid, skins	Number	7,992,088	8,391,461	9,285,176	**9,645,608**	9,118,397	8,276,238	*7,703,825*	8,423,154
	Square feet	*36,360,684*	39,631,557	42,757,658	**46,374,060**	43,928,687	40,548,985	38,404,358	40,662,845
Cabretta, skins	Number	*1,291,366*	1,542,722	1,452,984	1,496,799	1,573,765	**1,602,241**	1,510,305	1,540,727
	Square feet	*7,797,740*	8,229,145	8,305,771	8,723,521	**8,943,594**	8,894,181	8,397,758	8,330,612
Kangaroo and wallaby, skins	Number	249,373	*248,055*	259,968	286,024	314,242	275,569	317,234	**320,871**
	Square feet	*1,296,320*	1,330,039	1,315,900	1,436,104	**1,610,511**	1,341,754	1,532,184	1,535,151
Deer and elk, skins	Number	*108,636*	202,710	184,388	180,511	189,439	**226,000**	184,927	199,621
	Square feet	*819,614*	1,414,705	1,414,646	1,442,815	1,674,687	1,919,768	2,053,362	**2,118,483**
All other [2]	Pounds	*650,037*	971,876	2,323,069	2,975,067	1,485,455	1,870,452	1,437,262	**3,123,542**
All other	Square feet	*3,745,361*	3,954,095	4,598,349	5,679,109	**6,310,344**	3,786,009	4,744,216	4,498,298
PATENT LEATHER (except upholstery), total [1]	Square feet	6,808,495	*5,268,633*	6,767,002	**10,813,421**	8,217,680	7,928,093	7,637,450	8,950,335
Cattle—									
Grains, sides	Number	**407,447**	180,183	159,030	178,107	173,182	192,217	*157,966*	160,056
	Square feet	**4,560,341**	2,776,625	*2,617,961*	2,997,527	3,045,579	3,376,009	2,832,230	2,878,960
Splits, sides	Number	*56,221*	73,751	77,825	137,006	161,140	151,156	203,050	**254,326**
	Square feet	*899,536*	1,180,016	1,245,200	2,192,096	2,578,240	2,418,496	3,248,800	**4,077,216**
Horse—									
Fronts	Number	11,761	*8,177*	9,580	22,441	**27,915**	13,348	23,383	10,162
	Square feet	150,876	*94,573*	112,783	273,200	**412,724**	190,870	204,399	142,620
Butts	Number	**28,655**	15,267	10,581	11,831	5,865	4,073	5,571	*2,157*
	Square feet	187,634	**200,016**	108,209	153,812	64,545	46,310	72,327	*27,672*
Colt, ass, and mule, skins	Number	18,815	*16,768*	30,630	**42,155**	33,710	30,378	31,346	29,567
	Square feet	220,089	*218,278*	361,754	**380,126**	348,536	312,080	325,966	295,457
Goat and kid, skins	Number	124,133	*95,668*	238,017	**849,433**	256,810	257,673	134,823	240,358
	Square feet	501,629	*420,816*	1,105,867	**4,355,702**	1,316,384	1,325,885	698,401	1,166,169
All other [2]	Pounds	29,035	*26,170*	30,251	**48,190**	34,535	36,145	38,510	41,304
All other	Square feet	288,390	378,309	**1,215,228**	460,958	451,672	258,443	*255,327*	362,241
GLOVE LEATHER, total [1]	Square feet	*24,727,902*	28,724,853	28,281,490	33,026,687	31,997,323	**34,420,900**	32,064,221	32,876,527
Cattle—									
Grains, sides	Number	*27,185*	43,920	47,131	56,584	76,508	**85,942**	67,937	80,014
	Square feet	*445,381*	683,719	871,467	981,962	1,222,091	**1,391,441**	1,100,708	1,323,612
Splits, sides	Number	349,370	512,070	441,647	246,287	*189,752*	230,270	350,357	**551,630**
	Square feet	4,891,180	7,168,980	6,183,058	3,448,018	*2,656,248*	3,223,780	4,904,998	**7,723,520**
Horse—									
Fronts	Number	**225,711**	220,536	211,904	170,136	142,933	153,289	145,986	*135,062*
	Square feet	3,189,438	3,235,748	**3,280,980**	2,527,411	2,281,374	2,420,484	2,131,800	*2,084,050*
Butts	Number	30,118	31,503	*15,944*	26,962	**38,033**	30,500	25,960	37,604
	Square feet	422,862	**429,022**	*195,762*	338,269	406,470	374,005	317,836	335,872
Colt, ass, and mule, skins	Number	**15,876**	3,583	4,063	1,892	11,154	*562*	5,897	3,664
	Square feet	**212,963**	35,491	42,228	20,371	109,896	*5,873*	58,890	50,015
Calf and kip, skins	Number	*26,817*	**215,237**	36,498	42,795	57,084	84,989	37,339	65,246
	Square feet	*319,760*	**1,285,226**	404,965	499,758	635,872	828,154	377,102	584,919
Sheep and lamb, skins	Number	1,832,499	*1,788,295*	1,826,199	2,036,621	1,946,724	**2,305,722**	1,886,851	1,816,416
	Square feet	*11,925,107*	12,159,740	12,382,634	15,571,207	14,710,527	**17,327,107**	14,119,854	13,399,052
Goat and kid, skins	Number	316,129	267,001	259,335	*201,902*	263,601	234,847	216,910	**395,338**
	Square feet	1,589,038	1,248,285	1,300,320	*836,715*	1,177,033	920,592	1,005,176	**1,971,437**
Deer and elk, skins	Number	*92,277*	190,976	113,993	103,443	**196,930**	139,866	133,551	137,832
	Square feet	*926,926*	1,485,223	974,151	964,745	1,623,539	1,581,927	**1,697,884**	1,575,029
All other [2]	Pounds	119,928	*54,365*	56,399	300,243	194,653	187,355	**529,437**	224,585
All other	Square feet	*809,247*	993,419	2,645,925	**7,838,233**	7,174,273	6,349,537	6,349,973	3,828,991
FANCY LEATHER, total	Pounds	2,139,140	**2,629,026**	2,597,841	1,596,003	1,465,848	*950,201*	1,266,175	1,306,144
Bookbinder's buffings, pieces	Number	258,127	241,369	**392,612**	112,245	106,061	*70,277*	157,014	151,794
	Pounds	308,326	444,565	**603,215**	147,712	386,705	*101,218*	207,605	211,651
Skivers (finished), pieces	Number	414,897	532,071	**535,368**	287,659	347,638	*227,460*	438,555	506,833
	Pounds	1,057,575	1,347,230	1,650,000	731,000	445,101	*265,314*	462,538	534,704

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by **boldface** figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
TOTAL LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES—Continued.									
Shearlings (tanned), skins	Number	*28,918*	70,492	**147,707**	92,332	74,024	92,570	56,221	82,660
	Pounds	129,153	**274,018**	238,986	153,064	103,667	128,518	*92,400*	144,570
Chamois, skins	Number	28,328	*17,567*	36,146	30,424	34,337	31,193	22,930	**36,612**
	Pounds	5,153	3,557	**5,658**	4,227	5,146	3,708	*3,186*	4,797
Textile leather	Pounds	254,498	**298,913**	213,514	279,007	236,783	293,942	262,775	*127,295*
Belting leather, butts	Number	120,502	137,274	199,487	133,513	*110,575*	144,113	115,549	**145,632**
	Pounds	*2,327,301*	2,578,777	2,631,542	3,042,135	2,447,159	**3,224,761**	2,582,404	3,124,578
Harness leather:									
Black, backs and sides	Number	**378,815**	340,005	367,543	*307,690*	363,100	328,997	325,313	315,168
	Pounds	*6,071,932*	6,916,646	**7,204,920**	6,179,727	7,386,312	6,641,122	6,446,632	6,196,358
Russet, backs and sides	Number	40,636	**116,614**	44,409	60,882	71,249	43,170	*40,287*	41,603
	Pounds	*575,490*	**1,880,723**	618,226	849,046	958,370	694,335	605,530	606,228
Skirting and collar leather, sides	Number	*110,813*	124,798	254,890	127,458	124,509	125,067	**158,533**	131,392
	Pounds	*1,627,859*	1,839,138	1,871,444	1,796,860	1,773,418	1,809,436	**2,281,734**	2,015,706
Bag and strap leather, backs and sides	Number	*88,202*	121,512	141,214	170,322	**176,706**	176,386	157,557	152,608
	Pounds	*1,393,856*	1,635,604	1,888,591	2,371,838	**2,619,348**	2,581,480	2,201,118	2,095,845
Upholstery leather:									
Grains, whole hides	Number	*95,191*	105,712	143,113	149,958	**151,592**	135,338	121,500	149,865
Splits, whole hides	Number	99,677	**140,444**	101,553	*73,205*	104,533	102,388	105,741	83,837
Horse butts, not elsewhere specified	Number	5,306	2,901	2,925	3,981	*1,278*	**6,745**	2,714	1,577
Pig and hog leather, not elsewhere specified:	Pounds	44,852	27,118	38,692	41,737	*13,929*	**45,005**	29,980	14,996
Skins	Number	30,268	30,805	**45,805**	*19,871*	29,285	22,992	22,353	22,261
	Pounds	123,024	124,122	**191,480**	*79,373*	89,503	95,402	95,295	89,770
Strips	Pounds	*748,129*	2,311,533	**2,334,102**	1,777,626	1,747,107	1,048,550	777,531	934,016
Side leather, not elsewhere specified, sides	Number	56,908	*27,200*	41,789	39,849	41,367	38,455	**76,925**	46,982
Rough leather:	Pounds	863,985	*341,764*	646,458	556,121	587,554	525,116	**1,030,128**	681,622
Butts	Number	41,659	*18,060*	25,416	37,182	**68,919**	56,298	44,018	33,493
	Pounds	981,126	*354,672*	610,095	948,139	**1,645,930**	1,187,187	1,103,336	774,539
Sides, backs, and bends	Number	*32,596*	35,692	35,973	43,955	**67,521**	45,912	35,098	58,647
	Pounds	415,729	*406,287*	414,924	542,230	960,594	604,930	501,092	**1,026,095**
Skins	Number	3,735	**14,640**	1,014	1,665	3,366	3,032	*284*	576
	Pounds	15,315	31,138	15,299	22,253	32,533	**33,900**	*11,302*	19,668
Other leather	Pounds	**7,829,040**	3,449,416	4,850,416	*1,661,972*	3,694,577	3,196,756	3,853,124	2,546,818
Furs and wooled skins	Number	137,093	**156,582**	131,278	*94,230*	164,020	148,759	102,383	112,895
BOOT AND SHOE MANUFACTURERS.									
Number of establishments		762	873	921	1,015	995	995	992	**994**
Geographic divisions:									
New England		336	388	406	431	440	434	435	440
Middle Atlantic		224	265	277	331	**296**	302	300	298
North Central		158	170	185	196	202	197	196	194
South Atlantic		13	17	18	20	19	22	21	21
South Central		14	14	16	17	16	17	17	16
Mountain		1	1	1	1	1	1	1	1
Pacific		16	18	18	19	21	22	22	24
Sole leather, backs, bends, and sides	Number	*470,501*	473,835	719,278	724,187	755,997	**801,332**	722,313	605,801
	Pounds	*8,164,289*	9,312,792	10,574,816	11,538,542	11,820,590	**12,295,320**	11,550,310	10,041,278
Sole offal leather	Pounds	8,510,481	8,693,210	8,146,233	*7,760,587*	8,848,497	9,664,070	8,854,911	**9,850,321**
SHOE UPPER LEATHER (except patent), total [1]	Square feet	*122,623,483*	128,483,168	**155,490,343**	151,495,645	148,491,864	135,169,247	132,503,724	126,113,706
Cattle—									
Grains, sides	Number	*1,658,439*	2,007,238	**2,620,323**	2,570,733	2,525,812	1,963,370	2,117,002	2,013,363
	Square feet	*26,867,590*	35,903,386	**42,297,094**	40,654,092	39,605,792	32,576,147	34,329,843	32,803,825
Splits—									
Whole sides	Number	*449,161*	459,935	**854,057**	570,067	563,883	488,266	586,537	583,218
	Square feet	*4,349,895*	5,410,428	**10,090,911**	5,574,480	5,393,864	5,093,580	5,562,319	6,478,837
Butts	Number	442,490	554,798	**699,596**	594,916	658,130	463,729	523,471	*381,165*
	Square feet	3,122,078	3,801,497	**4,624,180**	3,224,502	3,245,620	3,069,093	3,071,571	*2,347,414*
Horse—									
Fronts	Number	*115,759*	144,033	**169,287**	164,317	142,730	141,111	114,628	117,527
	Square feet	1,626,076	2,138,641	**2,466,168**	2,384,933	2,106,100	2,118,653	1,693,526	*1,529,015*
Butts	Number	*142,726*	199,871	**234,352**	196,425	172,909	195,088	188,387	189,211
	Square feet	*1,647,120*	2,037,917	**2,467,686**	1,919,016	1,877,921	2,064,865	1,773,264	1,758,127
Colt, ass, and mule, skins	Number	46,443	*19,586*	39,826	51,452	57,510	**59,962**	51,900	48,101
	Square feet	327,876	*278,706*	485,914	567,171	612,272	**622,963**	541,285	550,977
Calf and kip, skins	Number	1,988,778	**1,787,929**	1,824,245	2,004,208	2,012,320	1,869,630	1,882,859	*1,780,811*
	Square feet	19,897,255	*12,526,768*	21,454,279	22,973,169	**23,050,815**	21,815,091	21,037,238	20,262,338
Sheep and lamb, skins	Number	2,087,191	2,070,386	**2,214,517**	2,111,799	2,090,495	2,031,813	1,812,543	*1,703,493*
	Square feet	**20,965,734**	15,892,843	17,073,236	16,268,864	15,906,813	15,733,401	14,080,407	*13,148,495*
Goat and kid, skins	Number	*6,928,664*	7,981,217	8,863,746	**8,908,680**	8,541,480	7,825,870	7,239,588	7,231,718
	Square feet	*32,158,090*	37,784,059	40,883,587	**42,977,916**	41,239,815	38,462,660	36,189,306	34,870,557
Cabretta, skins	Number	*1,063,768*	1,397,336	1,330,827	1,340,151	1,441,712	**1,494,829**	1,404,002	1,295,462
	Square feet	*6,607,219*	7,412,246	7,551,858	7,885,812	8,168,328	**8,250,704**	7,776,996	7,173,389
Kangaroo and wallaby, skins	Number	*226,810*	236,183	254,015	278,762	**308,501**	268,981	292,667	288,462
	Square feet	*1,174,505*	1,297,304	1,278,042	1,400,132	**1,580,432**	1,308,282	1,391,424	1,314,239
Deer and elk, skins	Number	103,947	114,908	95,927	95,236	84,892	**118,360**	87,017	*80,177*
	Square feet	*784,153*	804,962	794,956	853,290	804,296	**1,015,735**	882,211	786,620
All other [2]	Pounds	*173,944*	505,288	391,748	545,080	375,240	**635,527**	568,568	534,048
All other	Square feet	3,115,892	3,394,411	4,022,432	4,812,268	**4,899,798**	*3,038,073*	4,174,334	3,089,873
PATENT LEATHER (except upholstery), total [1]	Square feet	3,785,614	*3,529,359*	3,958,643	4,646,423	4,712,525	**5,154,983**	3,903,779	3,740,797
Cattle—									
Grains, sides	Number	**263,939**	133,841	116,671	135,818	135,291	157,870	124,842	*103,292*
	Square feet	2,141,221	2,074,185	1,971,453	2,335,306	2,446,448	**2,819,243**	2,287,792	*1,917,161*
Splits, sides	Number	*32,421*	35,944	39,644	34,723	36,322	**48,908**	47,631	36,447
	Square feet	*518,736*	575,104	634,304	555,568	581,152	**782,528**	762,096	583,152
Horse—									
Fronts	Number	6,389	4,032	*3,625*	6,484	7,628	**8,426**	7,143	7,223
	Square feet	93,736	*51,930*	54,433	85,420	104,896	**129,480**	109,225	108,644
Butts	Number	**26,580**	*1,386*	6,428	1,462	2,735	3,462	3,558	1,983
	Square feet	**154,796**	18,129	57,788	*16,925*	30,468	38,200	46,146	25,671
Colt, ass, and mule, skins	Number	*15,572*	16,709	28,128	**38,487**	33,143	27,790	28,896	25,316
	Square feet	*184,686*	217,044	334,046	342,723	**343,367**	284,483	299,831	252,595
Goat and kid, skins	Number	108,682	83,153	68,692	164,504	**175,514**	172,820	*55,046*	107,583

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by **boldface** figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
BOOT AND SHOE MANUFACTURERS—Continued.									
GLOVE LEATHER, total [1]	Square feet	1,040,509	1,434,447	1,106,890	1,669,582	**1,847,907**	1,390,390	897,703	*815,650*
Cattle—									
Grains, sides	Number	**12,010**	11,199	9,744	11,196	9,955	5,758	6,190	*4,953*
	Square feet	**190,169**	184,852	163,810	179,556	164,738	97,527	106,572	*86,625*
Splits, sides	Number	6,427	7,305	8,211	9,954	8,309	7,470	**10,893**	*3,615*
	Square feet	89,978	102,270	114,954	139,356	116,326	104,580	**152,502**	*50,610*
Horse—									
Fronts	Number	**2,632**	165	1,229	971	245	590	*146*	2,430
	Square feet	**20,004**	*2,000*	19,989	18,485	3,467	7,759	2,282	17,119
Butts	Number	1,984	*114*	1,110	303	**10,551**	300	1,123	315
	Square feet	26,691	2,800	13,151	2,440	**43,360**	*2,400*	10,994	2,482
Colt, ass, and mule, skins	Number	**8,132**	359	536	499	700	*19*	2,315	2,164
	Square feet	**151,792**	3,778	6,400	5,949	8,400	*193*	23,150	21,640
Calf and kip, skins	Number	*5,002*	2,892	6,583	10,621	19,653	**23,202**	5,867	5,634
	Square feet	87,630	*29,760*	80,876	115,709	253,930	**298,282**	71,910	72,095
Sheep and lamb, skins	Number	*29,512*	**113,329**	50,586	103,344	105,142	80,743	42,885	41,990
	Square feet	*208,977*	**914,140**	375,004	850,144	868,886	669,813	340,976	329,820
Goat and kid, skins	Number	**58,291**	*9,328*	19,683	11,584	34,483	18,680	10,824	18,580
	Square feet	**221,294**	61,036	121,248	*59,369*	181,085	102,779	63,361	101,788
Deer and elk, skins	Number	**1,765**	811	595	*67*	141	1,355	1,292	1,418
	Square feet	20,134	10,074	11,570	*895*	1,596	21,396	20,600	**22,633**
All other [2]	Pounds	.....	1,702	1,067	8,920	7,250	6,830	10,245	**10,433**
All other	Square feet	*14,840*	123,737	199,888	**297,679**	206,119	85,681	105,356	108,838
FANCY LEATHER, total	Pounds	123,165	164,939	**173,709**	106,549	99,131	*59,610*	133,013	97,055
Bookbinder's buffings, pieces	Number	1,705	**4,044**	2,764	961	1,240	690	*255*	1,352
	Pounds	2,557	**6,086**	4,146	1,444	1,784	722	*255*	1,928
Skivers (finished), pieces	Number	20,726	32,271	53,188	*18,259*	27,923	21,472	**94,280**	56,640
	Pounds	91,167	83,023	**132,447**	40,763	34,631	*32,458*	92,804	60,540
Fleshers (finished), pieces	Number	**2 954**	196	688	255	234	500	*124*	348
	Pounds	**11,592**	590	1,440	482	352	500	*163*	348
Seal, skins	Number	911	863	858	647	**1,515**	*264*	659	518
	Pounds	**3,644**	2,331	2,309	2,590	3,220	*1,065*	2,662	2,070
Pig, skins	Number	*3,366*	**18 217**	5,665	11,610	11,257	5,964	9,283	8,427
	Pounds	*14,070*	**72,869**	30,219	54,170	52,354	24,497	37,128	32,169
All other, skins	Number	20	10	**1,671**	884	890	38	1	.....
	Pounds	135	40	3,148	**7,100**	6,790	400	1	.....
Shearlings (tanned), skins	Number	*2,184*	24,245	**26,547**	11,920	28,830	15,063	9,887	12,866
	Pounds	*9,704*	**87,047**	61,950	15,304	32,143	15,129	16,371	20,466
Chamois, skins	Number	*215*	**568**	464	405	547	429	320	295
	Pounds	*39*	**102**	92	68	92	72	42	49
Textile leather	Pounds	15,595	12,120	9,863	*4,495*	**16,245**	12,770	11,158	9,728
Belting leather, butts	Number	156	**158**	55	*26*	8	*5*	24	38
	Pounds	2,281	**2,607**	1,277	507	*59*	110	507	952
Harness leather:									
Black, backs and sides	Number	173	322	**38,074**	434	177	243	102	*85*
	Pounds	3,419	6,325	**756,846**	9,781	3,651	4,840	1,846	*1,563*
Russet, backs and sides	Number	260	287	**353**	130	190	26	.....	14
	Pounds	4,130	5,790	**7,028**	2,597	4,550	535	.....	273
Skirting and collar leather, sides	Number	261	*40*	**2,040**	672	590	601	418	377
	Pounds	4,179	*635*	**30,565**	10,080	10,050	10,215	6,270	5,655
Bag and strap leather, backs and sides	Number	7,408	**17,022**	6,375	10,010	11,490	11,402	7,992	*4,871*
	Pounds	112,076	**270,030**	99,825	119,921	171,997	186,894	119,875	*72,486*
Upholstery leather:									
Grains, whole hides	Number	30	**437**	135	226	95	.....	.....	.....
Splits, whole hides	Number	248	**28,362**	576	478	692	*146*	560	638
Horse butts, not elsewhere specified	Number	**2,000**	803	807	811	493	378	*363*	519
	Pounds	**18,000**	5,621	5,658	5,821	3,303	2,691	*2,541*	4,107
Pig and hog leather, not elsewhere specified:									
Skins	Number	24,680	15,153	**24,917**	10,723	*5,703*	8,859	13,567	12,971
	Pounds	98,748	60,303	**103,588**	43,700	*14,861*	35,542	56,265	50,288
Strips	Pounds	255,554	247,613	277,856	*152,542*	246,233	218,071	178,059	**287,026**
Side leather, not elsewhere specified	Number	7,889	*2,285*	**12,199**	2,845	7,794	4,619	6,862	4,712
	Pounds	137,965	*39,595*	**230,305**	41,119	128,961	75,041	102,396	64,730
Rough leather:									
Butts	Number	*143*	171	1,380	**4,592**	2,111	2,204	1,683	3,113
	Pounds	*3,838*	4,564	34,607	**109,181**	56,972	59,444	44,010	67,128
Sides, backs, and bends	Number	400	1,626	*247*	613	2,735	3,155	3,175	**4,157**
	Pounds	6,172	28,871	*5,886*	11,046	52,172	42,529	64,850	**80,293**
Skins	Number	.....	300	336	**1,062**	250	200	.....	250
	Pounds	.....	1,500	1,860	6,127	**15,000**	12,000	.....	**15,000**
Other leather	Pounds	265,522	189,797	**758,335**	38,813	236,328	*5,543*	167,463	7,134
Furs and wooled skins	Number	1,455	468	*319*	1,079	576	5,794	5,794	5,902
CUT STOCK MANUFACTURERS.									
Number of establishments		186	224	241	255	257	249	243	247
Geographic divisions:									
New England		143	176	184	191	195	195	189	190
Middle Atlantic		27	27	35	37	38	32	34	36
North Central		13	17	17	21	17	16	14	15
South Atlantic		1	3	3	3	4	3	3	3
South Central		1	.....	1	1	1	1	1	1
Mountain		.....	.....	.....	.....	.....	.....	.....	.....
Pacific		1	1	1	2	2	2	2	2
Sole leather, backs, bends, and sides	Number	*357,587*	572,443	526,227	397,510	780,467	**821,254**	559,980	707,314
	Pounds	*4,770,988*	9,431,107	9,477,048	6,502,706	13,933,892	**15,175,498**	9,582,759	10,358,068
	Pounds	13,589,527	13,521,936	*10,590,801*	20,665,642	17,254,974	**20,721,431**	18,698,561	16,928,477

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by **boldface** figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
CUT STOCK MANUFACTURERS—Continued.									
SHOE UPPER LEATHER (except patent) [1]—Continued.									
Horse—									
Fronts	Number	3	48	**107**	49	20	28	86	
	Square feet	48	555	**1,707**	524	214	444	850	
Butts	Number	*25*	1,939	994	4,160	6,972	2,543	**10,265**	9,620
	Square feet	*355*	24,698	12,920	53,210	**89,144**	33,077	53,537	48,900
Colt, ass, and mule, skins	Number	28	70	70	**1,792**	90	90		
	Square feet	500	1,100	1,100	**18,374**	1,350	1,350		
Calf and kip, skins	Number	*4,441*	9,684	7,305	17,697	**19,796**	16,729	12,932	7,246
	Square feet	*46,749*	90,725	**92,265**	225,454	**238,346**	197,227	143,490	90,776
Sheep and lamb, skins	Number	76,217	*39,097*	**113,823**	73,486	68,656	87,074	67,344	84,897
	Square feet	803,504	552,197	**907,313**	813,703	544,833	674,044	*525,516*	667,514
Goat and kid, skins	Number	8,923	*6,046*	6,846	**94,280**	81,817	83,160	87,679	56,691
	Square feet	45,792	*33,962*	37,511	**473,549**	414,229	420,412	439,807	284,558
Cabretta, skins	Number	4,220	*240*	5,421	6,252	14,704	19,855	28,113	**35,134**
	Square feet	21,576	*1,575*	30,583	37,482	88,301	111,826	149,318	**176,792**
Kangaroo and wallaby, skins	Number	877	752	1,570	1,403	1,106	1,218	*586*	408
	Square feet	2,107	3,295	10,270	6,198	5,552	6,855	*1,828*	2,706
Deer and elk, skins	Number	6				**150**			
	Square feet	125				**1,282**			
All other [2]	Pounds	*169,118*	264,228	1,658,959	1,963,080	803,618	803,312	220,412	**1,978,199**
All other	Square feet	*47,691*	209,782	127,310	223,763	220,521	164,868	**349,870**	182,986
PATENT LEATHER (except upholstery) total [1]	Square feet	84,817	*19,188*	71,826	41,117	**197,559**	79,626	75,948	103,068
Cattle—									
Grains, sides	Number	231	215	*90*	1,603	**7,064**	434	861	124
	Square feet	3,560	3,331	*1,609*	13,184	**127,353**	7,994	15,256	2,480
Splits, sides	Number	3,124	*856*	2,634	1,485	2,756	2,747	2,388	**4,902**
	Square feet	49,984	*13,696*	42,144	23,760	44,096	43,952	38,208	**78,544**
Horse—									
Fronts	Number	2	**102**	59	37	66	66		
	Square feet	20	**1,312**	950	597	1,056	1,056		
Butts	Number				**123**	**123**	**123**	**123**	115
	Square feet				1,600	**1,600**	**1,600**	**1,600**	1,500
Colt, ass, and mule, skins	Number	**2,530**		2,246			2,340	1,937	1,880
	Square feet	**27,172**		24,240			24,574	20,390	20,057
Goat and kid, skins	Number	1,301	*18*	528	372	**1,308**	48	84	74
	Square feet	4,081	847	1,883	1,976	**5,520**	*72*	418	487
All other [2]	Pounds	1,250			7,200	3,200	3,110	5,549	**5,955**
All other	Square feet			1,000		**17,934**	378	76	
GLOVE LEATHER, total [1]	Square feet	54,344	*6,176*	419,640	**443,115**	314,290	223,444	308,018	254,448
Cattle—									
Grains, sides	Number	144		**400**	396	396		382	380
	Square feet	1,912		7,200	5,940	6,948		6,112	6,080
Splits, sides	Number	111	*58*	**26,210**	18,660	13,053	13,029	15,564	16,368
	Square feet	1,554	*652*	**366,940**	261,240	182,742	182,406	217,896	229,152
Horse—									
Fronts	Number	180					**300**	281	201
	Square feet	2,672					**4,800**	4,496	2,836
Butts	Number						300	**4,300**	432
	Square feet						3,900	**55,900**	5,616
Colt, ass, and mule, skins	Number				885	**2,740**			
	Square feet				8,855	**28,721**			
Calf and kip, skins	Number							18	
	Square feet							130	
Sheep and lamb, skins	Number		577	4,177	**8,815**	1,177	2,672	2,635	1,217
	Square feet		4,816	38,416	**70,716**	9,616	21,571	21,275	9,936
Goat and kid, skins	Number		198	**1,449**	**1,449**	**1,449**	497	473	198
	Square feet		828	**7,064**	**7,064**	**7,064**	2,767	2,209	828
All other [2]	Pounds	**66,110**			33,761	10,090	8,000	10,000	
	Square feet	48,206			**89,280**	79,179	8,000		
FANCY LEATHER, total	Pounds	43,308	30,450	47,185	39,670	*11,681*	**61,711**	47,661	32,951
Bookbinder's buffings, pieces	Number	15		**95**					91
	Pounds	22		**142**					137
Skivers (finished), pieces	Number	**9,787**	*1,360*	7,359	4,952	4,385	6,691	6,394	9,613
	Pounds	10,758	*4,400*	**13,272**	5,066	6,577	9,929	6,382	9,639
Fleshers (finished), pieces	Number	405		396	405	**805**	405	403	400
	Pounds	**1,215**		396	405	1,005	422	604	400
Seal, skins	Number	**1,541**			781	781			
	Pounds	**6,163**			3,124	3,124			
Pig, skins	Number	6,162	6,513	8,319	7,768	*243*	**11,906**	10,168	5,711
	Pounds	25,150	26,050	33,275	31,075	*975*	**47,625**	40,675	22,775
All other, skins	Number						1,013		
	Pounds						3,735		
Shearlings (tanned), skins	Number	93		5,000	8,897	8,800	10,922	**11,247**	11,232
	Pounds	*372*		5,000	17,794	8,800	**20,000**	16,870	16,800
Chamois, skins	Number		24	24					27
	Pounds		5	5					4
Textile leather	Pounds			21					
Belting leather, butts	Number	**16,680**	470	537	593	907	10,397	*468*	632
	Pounds	**339,348**	*11,550*	13,031	14,819	22,686	234,924	11,700	15,800
Harness leather:									
Black, backs and sides	Number	255	*52*	291	971	7,181	6,308	**15,864**	258
	Pounds	5,242	*899*	6,935	20,388	144,210	126,162	**317,765**	5,193
Russet, backs and sides	Number			204	250	**922**			60
	Pounds			4,072	5,000	**18,440**			1,200
Skirting and collar leather, sides	Number	**3,608**	1,901	1,320	1,500	1,610	688	552	*80*
	Pounds	**45,583**	28,515	19,800	22,500	24,160	10,320	8,280	*300*
Bag and strap leather, backs and sides	Number	1,585	*521*	**10,898**	1,315	9,703	2,540	2,211	2,085
	Pounds	27,965	*7,815*	**163,456**	19,725	145,538	38,065	33,157	12,816
Upholstery leather:									
Grains, whole hides	Number					**4,349**			90
Splits, whole hides	Number	**1,895**	1,350	125	95	663	50	125	
Horse butts, not elsewhere specified	Number				652				
	Pounds				8,482				

[1] Does not include "All other" reported in pounds.

[2] Equivalent in square feet not reported.

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
CUT STOCK MANUFACTURERS—Continued.									
Pig and hog leather, not elsewhere specified:									
Skins	Number	75	.....	416	20	17,258	.....	.....	.....
	Pounds	300	.....	2,495	100	54,030	.....	.....	.....
Strips	Pounds	167,025	42,796	*6,977*	102,283	24,453	33,070	34,220	46,915
Side leather, not elsewhere specified	Number	5	.....	100	147	217	2,198	27,467	.....
	Pounds	100	.....	1,500	2,205	3,255	33,370	411,907	.....
Rough leather:									
Butts	Number	7,785	499	24	.....	20,544	120	330	1,220
	Pounds	222,683	13,491	647	.....	531,932	4,000	21,653	31,747
Sides, backs, and bends	Number	2,515	.....	984	50	11,887	1,856	1,840	17,614
	Pounds	26,931	.....	16,711	750	144,901	29,646	36,800	252,012
Other leather	Pounds	1,643,168	1,501,625	289,213	189,389	1,864,877	1,696,881	1,998,818	*80,207*
Furs and wooled skins	Number	.....	.....	.....	.....	.....	.....	117	117
HARNESS AND SADDLERY MANUFACTURERS.									
Number of establishments		528	532	550	563	574	577	578	571
Geographic divisions:									
New England		23	24	25	25	27	27	27	27
Middle Atlantic		40	39	43	47	47	53	48	52
North Central		307	313	317	321	329	326	327	325
South Atlantic		26	27	29	28	29	29	29	29
South Central		63	58	62	64	64	67	70	66
Mountain		35	34	35	38	36	35	38	32
Pacific		34	37	39	40	42	40	39	40
Sole leather, backs, bends, and sides	Number	*10,253*	23,164	15,460	22,142	20,055	21,757	11,210	12,100
	Pounds	*145,514*	379,826	237,901	328,230	281,240	339,635	163,510	166,776
Sole offal leather	Pounds	644,788	689,427	615,818	*412,514*	834,537	885,186	785,395	1,153,739
SHOE UPPER LEATHER (except patent), total [1]	Square feet	709,524	803,251	1,085,078	737,298	861,032	608,564	376,843	*245,170*
Cattle—									
Grains, sides	Number	8,743	5,872	10,012	4,509	4,091	3,745	1,269	*1,219*
	Square feet	142,680	93,904	176,731	75,695	74,462	65,780	21,689	*20,561*
Splits—									
Whole sides	Number	21,946	24,332	31,062	4,147	21,608	4,415	19,705	*3,200*
	Square feet	235,576	255,218	322,223	61,531	177,395	64,478	172,948	*43,639*
Butts	Number	5,112	10,593	7,118	8,111	7,109	7,606	6,513	*5,102*
	Square feet	45,907	90,434	58,853	69,382	59,653	64,409	52,192	*43,093*
Horse—									
Fronts	Number	3,559	3,714	3,155	3,372	2,921	3,076	*225*	347
	Square feet	58,681	59,441	51,849	50,757	43,810	46,310	*3,757*	5,701
Butts	Number	269	69	40	70	51	*14*	17	47
	Square feet	3,141	739	335	709	490	*198*	225	435
Colt, ass, and mule, skins	Number	*10*	61	56	110	203	182	43	35
	Square feet	*98*	729	637	1,851	2,021	1,815	436	350
Calf and kip, skins	Number	2,264	4,700	15,994	4,926	6,569	3,929	*1,789*	2,239
	Square feet	23,890	64,938	203,444	60,933	80,738	43,363	*22,304*	25,937
Sheep and lamb, skins	Number	12,985	8,483	8,939	7,013	6,904	7,108	3,846	*2,325*
	Square feet	114,521	67,907	70,821	56,673	54,788	55,141	27,507	*22,581*
Goat and kid, skins	Number	*5,176*	10,202	19,595	7,235	12,390	10,747	8,320	8,097
	Square feet	*22,988*	42,081	109,203	37,278	63,536	55,415	43,306	41,160
Cabretta, skins	Number	6,324	189	465	5,809	109	94	*72*	128
	Square feet	48,268	1,022	2,622	50,069	658	482	*389*	1,001
Kangaroo and wallaby, skins	Number	*535*	1,041	826	2,219	1,215	1,698	3,785	2,172
	Square feet	*3,357*	10,386	9,912	12,650	8,312	10,393	18,217	12,352
Deer and elk, skins	Number	247	180	204	*124*	210	435	685	1,341
	Square feet	2,037	1,436	1,418	*1,168*	1,956	4,993	8,819	22,010
All other [2]	Pounds	4,733	3,917	*421*	26,331	6,118	4,278	4,550	16,727
All other	Square feet	8,386	15,016	17,080	258,582	313,213	195,787	*5,054*	7,350
PATENT LEATHER (except upholstery), total [1]	Square feet	*10,927*	36,711	53,407	21,787	13,209	16,750	21,337	17,911
Cattle—									
Grains, sides	Number	2,558	139	195	329	91	100	*55*	60
	Square feet	5,609	3,682	4,666	6,280	1,771	1,988	*1,095*	1,146
Splits, sides	Number	*311*	2,061	2,933	663	542	661	583	937
	Square feet	*4,976*	32,976	46,928	10,608	8,672	10,576	9,328	14,992
Horse—									
Fronts	Number	1	.....	.....	.....	.....	12	.....	1
	Square feet	12	.....	.....	.....	.....	144	.....	20
Butts	Number	.....	.....	.....	100	54	103	718	.....
	Square feet	.....	.....	.....	1,096	869	1,506	9,333	.....
Colt, ass, and mule, skins	Number	2	.....	1	.....	7	.....	7	5
	Square feet	14	.....	20	.....	66	.....	94	48
Goat and kid, skins	Number	21	*1*	36	288	9	9	10	9
	Square feet	147	*5*	195	2,269	61	61	64	61
All other [2]	Pounds	1,015	.....	.....	6,000	.....	.....	.....	.....
All other	Square feet	169	*48*	1,598	1,534	1,770	2,475	1,425	1,644
GLOVE LEATHER, total [1]	Square feet	192,062	156,313	*55,042*	276,988	241,730	176,174	275,337	60,266
Cattle—									
Grains, sides	Number	312	*100*	117	106	133	442	156	131
	Square feet	6,052	2,385	2,721	2,486	3,898	9,899	*1,650*	2,456
Splits, sides	Number	12,165	5,460	2,102	9,075	16,903	2,351	15,219	*1,216*
	Square feet	170,310	76,440	29,428	127,050	235,942	32,914	213,066	17,024
Horse—									
Fronts	Number	.....	2,734	.....	.....	132	220	12	48
	Square feet	.....	43,744	.....	.....	2,299	3,686	144	815
Colt, ass, and mule, skins	Number	3	37	36	40	.....	.....	.....	.....

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by **boldface** figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 31.	Oct. 31.	Nov 30.	DEC. 31.
HARNESS AND SADDLERY MANUFACTURERS—Continued.									
FANCY LEATHER, total	Pounds	**14,312**	9,557	8,679	6,305	5,078	2,997	2,047	*1,260*
Bookbinder's buffings, pieces	Number	324	135	**525**	217	400	470	*105*	134
	Pounds	518	204	1,413	327	600	705	*150*	189
Skivers (finished), pieces	Number	797	**2,511**	499	302	1,263	114	*36*	244
	Pounds	1,989	**7,029**	2,666	338	2,126	171	*36*	244
Fleshers (finished), pieces	Number	173	.....	308	**5,000**	400	400	.....	500
	Pounds	518	.....	924	**5,250**	400	400	.....	500
Seal, skins	Number	**720**	112	309	*9*	49	34	309	*9*
	Pounds	**2,862**	450	1,236	45	196	136	1,236	*36*
Pig, skins	Number	432	469	**496**	79	395	384	153	*62*
	Pounds	2,051	1,874	**1,979**	337	1,731	1,536	620	*266*
All other, skins	Number	**552**	.....	24	1	2	13	10	10
	Pounds	**6,374**	.....	461	8	20	49	25	25
Shearlings (tanned), skins	Number	*4,561*	12,432	14,081	14,574	20,311	15,945	18,227	**23,323**
	Pounds	29,690	53,614	36,725	27,306	33,660	*26,487*	31,854	**39,328**
Chamois, skins	Number	4,859	4,653	*4,079*	4,192	4,206	4,652	4,272	**4,950**
	Pounds	**864**	816	*574*	627	618	736	696	790
Belting leather, butts	Number	*8*	322	269	**12,006**	217	172	168	223
	Pounds	*183*	6,932	6,732	**300,175**	5,416	4,290	4,187	5,565
Harness leather:									
Black, backs and sides	Number	**219,858**	268,272	268,109	239,196	254,866	253,804	233,005	*218,617*
	Pounds	4,854,738	5,411,077	**5,470,460**	4,799,799	5,271,171	5,126,438	4,603,684	*4,366,163*
Russet, backs and sides	Number	35,661	**86,259**	33,239	39,000	47,272	*20,519*	28,708	33,267
	Pounds	479,960	**1,414,687**	452,697	502,842	569,988	*330,257*	401,418	444,548
Skirting and collar leather, sides	Number	*92,542*	105,747	**236,345**	109,767	102,459	105,341	135,218	101,165
	Pounds	*1,355,358*	1,550,705	1,606,924	1,536,060	1,465,396	1,480,050	**1,940,638**	1,609,480
Bag and strap leather, backs and sides	Number	*17,048*	38,384	42,843	**70,902**	50,284	51,742	45,906	59,809
	Pounds	*356,265*	578,977	672,916	**800,576**	728,826	724,598	590,182	758,732
Upholstery leather:									
Grains, whole hides	Number	441	**4,880**	3,449	*12*	2,009	175	402	969
Splits, whole hides	Number	3,268	*2,010*	**10,382**	3,657	2,508	2,917	4,799	6,552
Horse butts, not elsewhere specified	Number	**217**	8	.....	.....	52	2	*52*	110
	Pounds	**5,616**	105	.....	.....	282	32	*274*	722
Pig and hog leather, not elsewhere specified:									
Skins	Number	1,283	1,743	*680*	1,475	853	**3,435**	1,195	3,171
	Pounds	5,197	7,009	*3,229*	6,170	3,472	**15,173**	7,761	14,010
Strips	Pounds	10,150	*9,875*	12,007	17,529	12,429	9,427	11,856	10,981
Side leather, not elsewhere specified	Number	1,934	1,879	*607*	2,597	3,592	2,406	**4,941**	3,518
	Pounds	31,077	28,202	*9,558*	39,883	51,820	37,915	**79,338**	51,631
Rough leather:									
Butts	Number	1,122	760	**1,361**	1,025	1,302	850	*558*	1,347
	Pounds	29,854	17,715	34,782	26,804	34,645	22,950	*14,632*	**36,228**
Sides, backs, and bends	Number	*271*	**1,845**	1,253	**1,845**	1,597	398	764	757
	Pounds	*3,618*	24,613	13,464	28,530	**29,264**	6,930	14,797	18,190
Skins	Number	*65*	**287**	280	204	136	114	102	80
	Pounds	1,497	**12,393**	11,986	12,145	*680*	6,220	3,572	2,014
Other leather	Pounds	206,265	237,885	282,869	**439,635**	217,400	263,482	262,503	*199,197*
Furs and wooled skins	Number	**9,798**	6,892	2,403	4,301	3,127	3,031	2,579	*2,260*
GLOVE MANUFACTURERS.									
Number of establishments		206	232	254	258	266	272	277	276
Geographic divisions:									
New England		2	4	4	6	7	7	7	7
Middle Atlantic		125	135	145	150	152	156	160	159
North Central		55	66	65	69	74	74	75	75
South Atlantic		4	3	3	3	4	4	3	3
South Central		.....	1	1	2	2	2	2	2
Mountain		.....	1	2	2	1	1	1	1
Pacific		20	22	34	26	26	28	29	29
Sole leather, backs, bends, and sides	Number	.....	2	**852**	2	2	2	.....	412
	Pounds	.....	25	**10,013**	25	19	19	.....	8,225
Sole offal leather	Pounds	28,150	54,000	13,079	**1,239,004**	123,420	131,209	*12,538*	28,950
SHOE UPPER LEATHER (except patent), total [1]	Square feet	2,452,987	**3,479,285**	1,454,814	849,654	358,865	313,690	*190,347*	383,107
Cattle—									
Grain, sides	Number	150	428	740	**3,527**	*22*	*22*	*22*	*22*
	Square feet	3,000	6,454	11,492	**49,421**	*550*	*550*	*550*	*550*
Splits—									
Whole sides	Number	180,033	**223,100**	84,101	18,177	12,093	8,714	*2,730*	3,276
	Square feet	2,140,207	2,074,981	1,025,449	167,768	168,926	114,260	*30,598*	36,039
Butts	Number	2,812	620	10,672	**27,972**	281	281	*278*	7,744
	Square feet	29,111	5,360	146,683	**443,207**	2,520	2,520	*2,500*	54,253
Horse—									
Fronts	Number	4	**10,419**	2,356	1,279	2,404	1,279	*3*	51
	Square feet	55	**165,690**	36,743	20,464	38,049	20,464	*53*	553
Butts	Number	2,718	1,333	**3,267**	1,244	.....	2,500	2,452	3,000
	Square feet	37,567	20,000	44,200	16,742	.....	32,505	36,785	**45,089**
Colt, ass, and mule, skins	Number	.....	.....	.....	192	.....	.....	.....	.....
	Square feet	.....	.....	.....	1,920	.....	.....	.....	.....
Calf and kip, skins	Number	2,124	*462*	462	996	912	901	536	**2,666**
	Square feet	12,410	*5,410*	8,730	10,435	9,365	9,390	6,089	**32,850**
Sheep and lamb, skins	Number	*8,807*	**21,030**	16,918	15,140	17,233	15,654	13,979	19,185
	Square feet	*44,275*	140,766	118,950	94,092	111,688	101,564	92,636	**140,270**

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[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
GLOVE MANUFACTURERS—Continued.									
PATENT LEATHER (except upholstery), total [1]	Square feet.	126,000	191,576	56,306	204,431	1,000,628	57,069	96,661	*8,385*
Cattle—									
Grains, sides	Number	.....	168	114	.....	66	40	22	22
	Square feet.	.....	3,000	2,490	.....	1,400	840	480	480
Splits, sides	Number	4,166	222	722	8,310	49,980	720	1,160	.....
	Square feet.	66,656	3,552	11,552	132,960	799,680	11,520	18,560	.....
Horse—									
Fronts	Number	1,178	243	1,590	8,539	16,527	2,396	14,049	*36*
	Square feet.	18,369	6,566	17,626	117,573	264,436	36,803	73,897	*576*
Butts	Number	1,848	13,574	1,900	799	.....	364	54	.....
	Square feet.	28,295	175,958	21,284	7,726	.....	4,738	700	.....
Colt, ass, and mule, skins	Number	.....	.....	.....	3,478	170	.....	12	354
	Square feet.	.....	.....	.....	34,780	800	.....	72	3,538
Goat and kid, skins	Number	360	.....	101	.....	.....	.....	.....	2
	Square feet.	1,691	.....	992	.....	.....	.....	.....	9
All other [2]	Pounds	10	.....	.....	49	2,000	.....	2,000	3,000
All other	Square feet.	11,079	2,500	2,500	*1,453*	2,712	3,168	2,952	3,782
GLOVE LEATHER, total [1]	Square feet.	19,280,914	*18,518,825*	18,460,694	19,797,125	18,555,489	21,997,717	21,514,482	20,954,805
Cattle—									
Grains, sides	Number	*9,177*	14,542	19,086	23,154	36,230	27,837	32,146	35,368
	Square feet.	*116,398*	197,265	373,700	433,730	522,963	402,440	490,113	540,512
Splits, sides	Number	298,348	328,005	259,228	169,100	*127,247*	157,159	269,170	363,727
	Square feet.	4,176,872	4,592,070	3,629,192	2,367,400	*1,781,458*	2,200,226	3,768,380	5,092,178
Horse—									
Fronts	Number	221,323	203,627	188,805	153,365	125,846	140,905	138,322	*125,769*
	Square feet.	3,144,944	3,012,447	2,905,291	2,301,126	2,032,759	2,248,988	2,029,654	*1,977,895*
Butts	Number	26,130	28,966	*14,310*	22,273	20,449	21,916	17,127	30,044
	Square feet.	369,089	391,166	*173,457*	279,279	257,147	248,914	206,610	239,604
Colt, ass, and mule, skins	Number	7,137	3,027	3,494	468	7,714	*196*	3,329	1,500
	Square feet.	55,711	28,925	34,842	4,584	72,775	*1,948*	33,210	26,375
Calf and kip, skins	Number	10,456	39,351	17,316	10,548	14,465	45,976	*7,989*	15,326
	Square feet.	127,497	366,774	209,385	169,775	162,918	326,825	*100,219*	163,876
Sheep and lamb, skins	Number	1,492,305	1,302,009	1,335,778	1,382,461	*1,192,695*	1,464,311	1,304,465	1,246,090
	Square feet.	9,463,417	*8,284,538*	8,624,841	9,702,976	8,715,064	10,670,234	9,429,018	9,163,904
Goat and kid, skins	Number	145,568	155,777	149,521	120,839	*110,355*	116,418	117,258	164,603
	Square feet.	624,793	631,265	660,048	440,844	*427,020*	429,791	464,162	755,698
Deer and elk, skins	Number	88,361	*87,328*	28,750	92,567	108,589	136,297	123,205	121,069
	Square feet.	883,463	*172,481*	220,513	872,888	863,293	1,463,883	1,619,878	1,382,915
All other [2]	Pounds	45,864	*25,689*	28,030	154,231	74,864	97,380	381,309	183,460
All other	Square feet.	*518,815*	641,894	1,629,425	3,224,523	3,720,092	4,004,468	3,373,238	1,609,848
FANCY LEATHER, total	Pounds	142,688	169,983	180,457	170,902	174,431	118,609	*117,941*	177,822
Bookbinder's buffings, pieces	Number	19,100	891	19,831	19,680	19,848	*705*	15,728	15,728
	Pounds	28,650	1,443	29,840	20,159	29,873	*1,145*	23,592	23,579
Skivers (finished), pieces	Number	*845*	4,617	4,473	2,539	21,117	2,064	23,711	23,712
	Pounds	*688*	12,587	11,182	6,347	33,166	2,053	28,550	26,712
Fleshers (finished), pieces	Number	*10,744*	28,937	33,089	21,629	44,459	9,226	16,085	30,720
	Pounds	30,412	79,356	71,573	28,060	44,778	*6,781*	20,551	81,404
Seal, skins	Number	3,488	3,704	4,202	4,325	*3,098*	4,406	4,167	3,697
	Pounds	17,432	14,758	*13,751*	17,360	16,898	17,560	16,603	14,723
Pig, skins	Number	5,194	11,631	9,198	24,194	*5,095*	21,701	6,198	7,069
	Pounds	24,298	57,306	45,675	96,866	*21,521*	88,461	24,795	29,219
All other, skins	Number	10,444	1,639	2,151	*44*	8,300	1,483	2,011	1,315
	Pounds	41,206	4,533	8,436	*110*	28,195	2,611	3,850	2,185
Shearlings (tanned), skins	Number	9,983	9,488	35,279	43,227	*6,337*	39,930	11,879	27,427
	Pounds	48,599	37,884	105,931	63,548	*18,550*	52,388	21,029	54,735
Chamois, skins	Number	4,846	4,609	5,030	4,878	4,111	4,310	4,118	*3,962*
	Pounds	853	825	921	855	717	726	*487*	662
Textile leather	Pounds	*9,845*	22,245	17,245	27,300	40,234	32,500	31,650	13,000
Belting leather, butts	Number	.....	.....	600	.....	.....	.....	.....	.....
	Pounds	.....	.....	15,000	.....	.....	.....	.....	.....
Harness leather:									
Black, backs and sides	Number	.....	17	96	.....	.....	72	.....	4,005
	Pounds	.....	342	1,875	.....	.....	1,586	.....	80,100
Russet, backs and sides	Number	1	.....	336	.....	36	36	36	60
	Pounds	14	.....	16,735	.....	720	720	720	1,210
Skirting and collar leather, sides	Number	.....	133	36	.....	.....	81	215	213
	Pounds	.....	2,000	515	.....	.....	1,395	3,225	3,195
Bag and strap leather, backs and sides	Number	*263*	414	1,390	1,333	1,687	648	310	310
	Pounds	*3,945*	6,210	21,517	19,995	24,981	9,902	4,650	4,650
Upholstery leather:									
Grains, whole hides	Number	490	400	400	.....	.....	7	.....	.....
Splits, whole hides	Number	2,898	27,516	21,516	2,034	3,551	.....	.....	.....
Horse butts, not elsewhere specified	Number	2,016	.....	.....	.....	.....	.....	.....	58
	Pounds	7,224	.....	.....	.....	.....	.....	.....	750
Pig and hog leather, not elsewhere specified, skins	Number	*114*	6,862	11,493	756	180	2,500	3,262	2,250
	Pounds	1,672	27,522	50,962	3,204	*900*	10,000	13,048	9,000
Side leather, not elsewhere specified	Number	250	.....	.....	.....	.....	.....	.....	.....
	Pounds	6,250	.....	.....	.....	.....	.....	.....	.....
Rough leather, sides, backs, and bends	Number	.....	.....	12	12	12	.....	.....	.....
	Pounds	.....	.....	216	192	220	.....	.....	.....
Other leather	Pounds	.....	.....	3,827	11,026	.....	.....	4,616	.....
Furs and wooled skins	Number	116,081	103,869	105,340	82,781	142,135	112,556	*79,819*	98,013
OTHER LEATHER MANUFACTURERS.									
Number of establishments		756	829	901	972	1,011	985	988	982
Geographic divisions:									
New England		116	135	148	156	160	157	159	156
Middle Atlantic		294	320	354	379	400	388	388	385
North Central		270	278	310	335	345	335	337	336
South Atlantic		21	24	23	26	26	28	30	29
South Central		23	25	21	23	24	24	23	24
Mountain		4	3	4	5	8	7	4	4
Pacific		28	44	41	48	48	46	47	48

[1] Does not include "All other" reported in pounds.

[2] Equivalent in square feet not reported.

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		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
OTHER LEATHER MANUFACTURERS—Continued.									
Sole leather, backs, bends, and sides	Number	37,238	29,356	215,201	**216,182**	*24,815*	30,358	193,593	211,754
	Pounds	601,493	467,880	4,268,305	4,282,101	*362,753*	386,937	3,776,888	4,147,860
Sole offal leather	Pounds	*1,659,659*	2,079,620	3,513,105	2,880,957	**4,782,695**	3,765,465	3,472,327	2,963,138
SHOE UPPER LEATHER (except patent), total [1]	Square feet	4,727,316	**4,750,502**	4,541,727	3,260,323	3,661,232	*2,950,627*	3,414,656	3,275,076
Cattle—									
Grains, sides	Number	23,018	34,065	**40,660**	22,680	34,530	15,605	25,453	*11,190*
	Square feet	385,323	585,958	**729,748**	397,857	636,814	264,579	423,768	*193,390*
Splits—									
Whole sides	Number	55,059	**69,134**	50,750	29,528	*15,050*	27,827	19,139	24,963
	Square feet	1,262,075	**1,507,734**	732,300	403,358	*212,852*	375,675	288,180	336,705
Butts	Number	*33,285*	33,435	34,987	61,938	**67,490**	63,581	66,897	61,265
	Square feet	*265,566*	201,756	309,187	495,450	**553,046**	498,676	513,095	448,597
Horse—									
Fronts	Number	**2,734**	1,069	1,578	655	*381*	1,496	913	1,282
	Square feet	**42,180**	16,187	24,937	10,907	*6,488*	**24,152**	14,192	**20,819**
Butts	Number	1,790	5,141	**5,142**	1,260	1,071	1,138	*855*	2,928
	Square feet	19,877	**67,047**	67,034	16,033	13,555	11,791	*10,590*	**38,520**
Colt, ass, and mule, skins	Number	847	**1,631**	60	.....	.....	.....	.....	**102**
	Square feet	8470	**70,905**	600	.....	.....	.....	.....	**1,020**
Calf and kip, skins	Number	12,934	**47,049**	18,158	10,685	11,390	*9,466*	18,725	**17,653**
	Square feet	158,703	157,850	202,089	132,611	131,380	*110,027*	**217,223**	203,042
Sheep and lamb, skins	Number	**276,952**	212,773	238,472	189,953	175,057	176,769	*172,352*	190,340
	Square feet	2,089,055	1,643,560	**2,110,225**	1,469,198	*1,354,262*	1,386,563	1,491,946	1,574,827
Goat and kid, skins	Number	**37,141**	30,721	31,003	*22,525*	24,997	30,288	36,071	**26,319**
	Square feet	**204,153**	169,641	160,838	*125,225*	135,412	152,660	189,604	135,434
Cabretta, skins	Number	**17,743**	13,178	4,281	11,347	10,447	*4,017*	5,270	7,026
	Square feet	**83,056**	65,121	45,349	48,111	54,461	*21,519*	27,178	30,748
Kangaroo and wallaby, skins	Number	1,804	775	*102*	693	179	566	**17,309**	13,740
	Square feet	14,686	5,802	*1,020*	3,769	1,541	2,843	106,325	**127,704**
Deer and elk, skins	Number	731	*351*	427	830	826	876	891	**920**
	Square feet	8,157	3,221	*3,162*	9,798	9,952	**11,409**	10,740	9,846
All other [2]	Pounds	65,893	31,429	*30,882*	52,560	46,543	**114,284**	53,129	68,695
All other	Square feet	186,015	165,725	155,238	148,008	**544,529**	*90,705*	121,815	154,374
PATENT LEATHER (except upholstery), total [1]	Square feet	*183,544*	909,936	1,343,915	1,538,792	1,197,470	1,750,156	2,772,302	**3,175,205**
Cattle—									
Grains, sides	Number	*2,150*	**18,061**	13,097	14,264	7,965	14,103	14,588	10,168
	Square feet	*40,801*	**325,331**	240,216	255,560	148,557	262,489	284,141	200,513
Splits, sides	Number	*7,474*	27,373	23,287	76,643	60,387	90,689	145,497	**183,505**
	Square feet	*119,584*	437,968	372,592	1,226,288	966,192	1,451,024	2,327,952	**2,936,080**
Horse—									
Fronts	Number	36	44	.....	.....	**1,236**	24	2	.....
	Square feet	460	685	.....	.....	**18,185**	385	36	.....
Butts	Number	141	355	**849**	558	20	.....	.....	.....
	Square feet	4,020	5,752	14,134	**15,450**	260	.....	.....	.....
Colt, ass, and mule, skins	Number	**240**	.....	1	3	3	.....	.....	.....
	Square feet	**2,402**	.....	13	18	122	122	.....	.....
Goat and kid, skins	Number	2,940	2,367	2,407	1,492	2,450	4,329	**7,166**	*1,229*
	Square feet	13,394	12,915	13,830	9,004	16,266	24,662	**39,155**	*6,345*
All other [2]	Pounds	4,059	3,803	6,187	4,625	7,287	**9,434**	*1,274*	3,500
All other	Square feet	*2,883*	126,785	**703,130**	32,472	47,888	11,474	121,018	32,267
GLOVE LEATHER, total [1]	Square feet	*2,435,899*	3,152,887	3,831,771	7,212,424	6,586,869	**8,137,766**	5,616,917	4,487,660
Cattle—									
Grains, sides	Number	*2,001*	10,938	12,337	15,951	23,052	**39,938**	20,598	**24,716**
	Square feet	*63,187*	183,030	222,487	269,861	413,470	**680,124**	359,730	**431,456**
Splits, sides	Number	13,952	*6,935*	12,000	**24,581**	18,340	23,950	20,391	**24,523**
	Square feet	195,328	*97,090*	168,000	**344,134**	256,760	335,300	285,474	**343,322**
Horse—									
Fronts	Number	*1,169*	6,094	7,842	8,764	**10,157**	6,904	6,475	5,830
	Square feet	*15,160*	77,748	104,328	118,235	**142,873**	90,576	83,950	73,714
Butts	Number	176	261	.....	4,001	**6,648**	5,233	659	61
	Square feet	2,816	3,546	.....	51,550	**100,963**	83,033	8,574	500
Colt, ass, and mule, skins	Number	**604**	.....	.....	.....	.....	.....	253	.....
	Square feet	**5,440**	.....	.....	.....	.....	.....	2,530	.....
Calf and kip, skins	Number	*7,686*	11,000	9,768	**19,616**	16,769	12,166	16,585	8,390
	Square feet	*71,548*	127,687	80,236	**191,278**	161,547	157,215	137,011	101,162
Sheep and lamb, skins	Number	*155,513*	243,976	276,193	384,742	469,583	**551,747**	389,450	314,550
	Square feet	*1,185,360*	1,969,183	2,147,168	3,742,211	3,770,272	**4,446,913**	3,107,684	2,480,558
Goat and kid, skins	Number	86,661	85,667	83,911	*58,920*	72,608	**94,882**	85,449	69,645
	Square feet	**606,739**	469,292	489,200	*382,525*	336,145	364,176	460,335	365,588
Deer and elk, skins	Number	*1,535*	1,747	3,332	7,324	7,698	**8,464**	6,559	6,524
	Square feet	15,948	*13,025*	16,717	66,767	49,609	71,781	40,103	50,003
All other [2]	Pounds	7,071	*6,852*	12,300	**91,449**	52,852	47,536	49,443	15,916
All other	Square feet	272,373	*195,286*	603,635	**2,145,863**	1,355,230	1,908,648	1,131,526	641,357
FANCY LEATHER, total	Pounds	1,596,458	**1,803,244**	1,721,021	1,049,869	1,076,868	*611,989*	877,673	679,786
Bookbinder's buffings, pieces	Number	224,882	212,651	**343,613**	82,029	80,500	*62,510*	137,623	**97,376**
	Pounds	260,572	400,847	**528,999**	112,303	348,074	*90,097*	179,060	134,911
Skivers (finished), pieces	Number	340,307	**373,364**	368,547	*222,859*	265,097	173,360	281,098	**312,844**
	Pounds	860,324	**919,873**	791,873	408,666	338,525	*196,672*	298,518	**328,389**
Fleshers (finished), pieces	Number	39,193	43,279	53,641	**54,452**	40,617	*21,571*	36,711	41,211
	Pounds	96,591	**127,905**	101,795	71,517	47,511	*24,694*	42,215	**43,452**
Seal, skins	Number	*36,869*	42,241	47,022	46,170	48,632	51,146	**53,985**	**46,669**
	Pounds	144,107	161,739	132,081	185,312	**195,210**	179,102	189,218	*60,484*
Pig, skins	Number	**19,345**	13,460	13,807	12,479	*11,206*	13,782	15,373	**15,616**
	Pounds	77,776	52,667	56,188	**83,731**	55,587	55,578	61,490	*47,972*
All other, skins	Number	50,897	51,135	48,514	**80,108**	45,625	31,777	37,211	*25,118*
	Pounds	157,088	140,213	110,085	**188,340**	91,961	66,846	107,172	*64,578*
Shearlings (tanned), skins	Number	*1,665*	**10,566**	7,301	6,965	3,056	4,586	3,512	**2,909**
	Pounds	5,854	**56,571**	8,164	13,734	4,506	4,945	*4,145*	**4,879**
Chamois, skins	Number	*5,930*	5,013	**10,746**	6,983	6,483	6,299	5,090	**6,741**
	Pounds	*675*	**1,285**	1,246	1,229	1,110	1,067	849	**1,176**
Textile leather	Pounds	202,803	**259,556**	184,237	244,659	175,150	241,005	209,282	*90,919*

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by **boldface** figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
OTHER LEATHER MANUFACTURERS—Continued.									
Harness leather:									
Black, backs and sides	Number	8,512	*7,045*	10,285	11,762	**36,616**	13,365	24,699	23,062
	Pounds	177,472	*127,435*	149,066	246,578	**706,321**	267,078	501,110	466,849
Russet, backs and sides	Number	*1,067*	1,397	3,326	16,822	**18,011**	17,440	6,625	3,056
	Pounds	*23,008*	25,915	63,117	271,470	**291,736**	284,659	115,347	58,221
Skirting and collar leather, sides	Number	*5,862*	7,716	6,427	7,125	9,244	12,780	11,508	21,271
	Pounds	104,056	133,270	*91,687*	106,187	140,252	228,456	164,953	**277,727**
Bag and strap leather, backs and sides	Number	*43,408*	57,164	75,287	81,639	96,053	**96,934**	82,352	63,765
	Pounds	733,427	*649,813*	853,185	1,334,493	1,438,002	1,428,703	1,178,749	918,559
Upholstery leather:									
Grains, whole hides	Number	*89,945*	94,818	133,990	**143,177**	139,083	125,403	113,443	139,263
Splits, whole hides	Number	79,200	72,129	53,259	*39,745*	64,958	**89,567**	77,311	54,304
Horse butts, not elsewhere specified	Number	672	1,862	1,914	**2,466**	*580*	1,017	2,088	727
	Pounds	8,589	18,301	**25,739**	26,719	8,625	9,776	23,794	*7,472*
Pig and hog leather, not elsewhere specified:									
Skins	Number	1,891	4,118	4,283	4,225	**4,470**	4,189	1,293	*1,008*
	Pounds	8,018	17,918	16,742	16,873	5,360	17,746	5,585	*4,634*
Strips	Pounds	196,928	1,791,033	**1,814,181**	1,269,521	1,283,623	*12,964*	18,346	15,715
Side leather, not elsewhere specified	Number	19,927	*15,194*	25,699	**27,659**	20,049	26,600	21,762	27,400
	Pounds	274,826	*231,620*	357,229	379,744	256,330	337,220	327,747	**441,954**
Rough leather:									
Butts	Number	29,366	*11,150*	19,305	26,532	40,828	**48,117**	35,415	25,753
	Pounds	662,915	*224,480*	477,666	632,251	956,441	**999,172**	913,772	588,022
Sides, backs, and bends	Number	26,168	30,752	30,762	28,652	**35,889**	28,015	23,508	*20,499*
	Pounds	350,138	333,246	348,568	320,588	**517,488**	352,873	*295,962*	328,383
Skins	Number	668	271	390	398	**810**	718	*90*	195
	Pounds	**4,806**	2,225	1,388	3,971	4,094	3,680	*198*	430
Other leather	Pounds	1,049,812	979,842	874,103	789,342	981,885	*688,683*	**1,208,030**	1,126,954
Furs and wooled skins	Number	4,954	8,498	8,771	1,716	7,630	**12,366**	8,073	*985*
DEALERS IN LEATHER.									
Number of establishments		795	938	999	1,069	1,116	1,111	1,120	1,292
Geographic divisions:									
New England		152	177	182	193	202	193	200	274
Middle Atlantic		233	266	289	300	307	314	313	395
North Central		255	300	326	349	368	367	370	380
South Atlantic		49	58	61	64	66	64	64	74
South Central		48	61	67	78	80	79	78	80
Mountain		22	28	29	31	35	37	37	33
Pacific		36	48	45	54	58	57	58	56
Sole leather, backs, bends, and sides	Number	*243,004*	301,528	270,912	307,453	296,288	271,280	248,639	**690,949**
	Pounds	3,114,069	*456,608*	3,525,816	4,202,110	4,163,215	3,820,569	3,385,107	**9,915,966**
Sole offal leather	Pounds	*4,790,654*	6,886,524	8,494,404	10,962,354	10,725,660	10,251,603	11,400,151	**12,306,981**
SHOE UPPER LEATHER (except patent), total [1]	Square feet	8,111,919	9,181,703	9,052,240	9,707,781	8,889,087	*7,121,989*	7,572,380	**23,826,271**
Cattle—									
Grains, sides	Number	57,968	99,427	112,278	107,128	105,357	*55,060*	66,627	**235,491**
	Square feet	1,100,074	1,566,388	1,636,255	1,550,804	1,539,044	*760,747*	852,822	**3,381,830**
Splits—									
Whole sides	Number	31,589	51,692	67,493	41,873	31,457	*30,841*	39,658	**246,354**
	Square feet	407,723	660,174	760,850	419,248	345,542	*341,838*	402,409	**2,966,183**
Butts	Number	12,350	12,961	8,416	9,619	13,598	10,695	*4,084*	**28,372**
	Square feet	90,901	108,734	62,819	62,660	113,890	84,052	*34,251*	**210,864**
Horse—									
Fronts	Number	14,575	5,223	4,522	4,058	5,807	3,028	*2,415*	**32,646**
	Square feet	148,955	58,616	56,125	44,186	*39,120*	52,051	44,524	**415,133**
Butts	Number	19,439	20,479	27,964	17,945	18,023	*9,921*	16,055	**33,208**
	Square feet	230,748	236,367	349,159	202,367	224,928	*120,630*	140,331	**413,312**
Colt, ass, and mule, skins	Number	*521*	771	4,590	**4,855**	602	644	655	2,720
	Square feet	7,389	10,060	46,745	**51,430**	6,514	*6,491*	7,016	26,323
Calf and kip, skins	Number	64,607	*51,149*	77,908	110,742	95,371	72,883	87,196	**249,278**
	Square feet	562,594	*537,637*	811,898	1,065,095	1,079,847	939,030	1,193,730	**2,949,230**
Sheep and lamb, skins	Number	348,641	396,628	291,840	310,481	297,307	253,479	*252,684*	**746,999**
	Square feet	2,452,113	2,927,263	2,285,787	2,350,368	2,143,121	1,870,319	*1,822,789*	**5,250,491**
Goat and kid, skins	Number	649,747	362,275	351,365	555,174	357,694	*286,749*	299,515	**1,647,276**
	Square feet	2,257,955	1,592,814	1,509,305	2,462,112	1,570,160	*1,255,946*	1,375,523	**5,062,272**
Cabretta, skins	Number	130,389	131,774	111,985	133,240	106,793	83,446	*72,848*	**208,977**
	Square feet	605,798	749,149	675,327	702,027	631,846	509,650	*443,877*	**948,681**
Kangaroo and wallaby, skins	Number	5,247	3,304	3,455	*2,947*	3,241	3,109	3,088	**16,082**
	Square feet	25,290	*13,252*	16,656	13,360	14,674	13,381	14,390	**76,115**
Deer and elk, skins	Number	*3,249*	85,777	87,589	84,259	103,267	106,247	96,306	**116,660**
	Square feet	*20,637*	595,700	613,230	577,879	856,201	886,751	1,151,229	**1,299,775**
All other [2]	Pounds	233,454	*165,914*	240,951	374,040	253,936	313,051	**590,603**	525,873
All other	Square feet	201,742	125,549	228,084	206,245	324,200	281,103	*89,489*	**813,062**
PATENT LEATHER (except upholstery), total [1]	Square feet	*548,785*	581,865	1,262,017	**4,185,879**	1,012,081	869,509	751,423	1,904,969
Cattle—									
Grains, sides	Number	25,110	27,759	28,863	26,093	22,093	19,670	*17,598*	**46,390**
	Square feet	350,241	366,596	397,527	367,197	308,210	283,455	*245,468*	**767,180**
Splits, sides	Number	6,261	7,295	7,305	9,870	10,905	7,431	*4,791*	**29,628**
	Square feet	100,176	116,720	116,880	157,920	174,480	118,896	*76,656*	**464,448**
Horse—									
Fronts	Number	4,155	3,756	4,306	7,381	2,458	2,424	*2,189*	2,902
	Square feet	38,279	34,080	39,774	**69,610**	24,151	23,002	*21,241*	33,380
Butts	Number	86	*12*	1,404	**8,789**	2,933	21	1,118	39
	Square feet	523	*177*	15,053	111,015	31,348	266	14,548	501
Colt, ass, and mule, skins	Number	471	*59*	254	243	387	245	494	**2,012**
	Square feet	5,815	*1,224*	3,435	2,665	4,181	2,901	5,579	**19,219**
Goat and kid, skins	Number	*7,276*	10,149	166,253	**682,777**	77,529	80,467	72,517	131,461

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[The month of maximum number and quantity for each class and kind of leather is indicated by **boldface** figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
DEALERS IN LEATHER—Continued.									
GLOVE LEATHER, total[1]	Square feet	*582,222*	3,617,068	2,900,772	3,238,783	3,116,154	1,882,271	1,933,552	**5,355,646**
Cattle—									
Grains, sides	Number	*2,545*	3,770	5,447	5,781	6,642	11,967	8,465	**14,466**
	Square feet	*42,664*	63,584	101,549	90,389	110,074	201,451	136,551	**256,483**
Splits, sides	Number	7,160	**143,806**	130,077	11,654	*4,105*	25,511	19,120	82,733
	Square feet	100,240	**2,013,284**	1,821,078	163,156	*57,470*	357,154	267,680	1,158,262
Horse—									
Fronts	Number	*255*	6,548	7,511	7,036	4,014	4,340	750	784
	Square feet	*4,299*	82,310	**103,523**	89,565	59,212	64,225	11,274	11,671
Butts	Number	105	.....	514	385	385	2,750	2,751	**6,752**
	Square feet	1,866	.....	9,074	5,000	5,000	35,750	35,758	**87,670**
Colt, ass, and mule, skins	Number	.....	**154**	7	.....	.....	147	.....	.....
	Square feet	.....	**1,782**	50	.....	.....	1,732	.....	.....
Calf and kip, skins	Number	1,621	**157,179**	*1,581*	1,986	6,012	2,692	6,195	35,558
	Square feet	*14,935*	**717,264**	18,278	22,692	55,155	33,671	59,119	244,440
Sheep and lamb, skins	Number	*54,718*	94,166	90,848	112,798	141,889	138,052	95,239	**208,053**
	Square feet	*386,720*	688,828	658,023	843,583	1,037,746	967,299	892,953	**1,388,047**
Goat and kid, skins	Number	3,795	4,900	4,767	9,108	11,185	4,146	*3,891*	**142,224**
	Square feet	18,148	25,889	22,724	46,881	58,045	19,908	*14,999*	**747,083**
Deer and elk, skins	Number	156	*68*	4,108	2,900	2,485	2,246	1,734	**8,776**
	Square feet	1,144	*515*	28,993	17,702	15,005	12,841	9,737	**118,922**
All other[2]	Pounds	310	*142*	3,982	11,872	23,025	27,159	**77,933**	14,769
All other	Square feet	*12,206*	23,632	137,475	**1,950,815**	1,718,447	188,240	595,481	1,343,068
FANCY LEATHER, total	Pounds	219,113	439,693	**455,630**	222,708	98,553	95,285	*87,840*	317,270
Bookbinder's buffings, pieces	Number	12,037	23,648	25,784	9,358	3,999	5,904	*3,303*	**37,113**
	Pounds	15,911	35,985	38,675	13,479	6,263	8,551	*4,568*	**50,907**
Skivers (finished), pieces	Number	43,035	**106,488**	90,142	38,768	27,853	*23,759*	33,096	103,780
	Pounds	92,649	**309,767**	290,383	120,812	30,076	*25,078*	36,248	109,180
Fleshers (finished), pieces	Number	13,365	11,350	27,489	12,166	10,258	*8,481*	10,307	**35,981**
	Pounds	37,464	33,719	**57,695**	34,172	10,375	*8,717*	14,723	36,000
Seal, skins	Number	1,280	4,526	4,103	**18,048**	4,126	4,542	*1,052*	14,528
	Pounds	4,473	17,510	15,879	17,879	16,648	18,312	*4,352*	**49,991**
Pig, skins	Number	*4,317*	5,203	5,942	**10,672**	7,636	8,333	6,050	7,210
	Pounds	*17,154*	20,226	20,951	**31,619**	30,890	31,105	18,777	24,730
All other, skins	Number	3,235	5,102	19,146	2,752	2,916	*2,125*	3,910	**20,883**
	Pounds	**51,482**	22,486	32,047	4,747	4,301	*3,522*	9,172	46,462
Shearlings (tanned), skins	Number	10,332	**13,411**	9,499	6,749	6,690	6,124	*1,469*	4,903
	Pounds	34,734	**38,202**	21,216	15,378	12,008	9,569	*2,155*	8,362
Chamois, skins	Number	14,478	*2,700*	15,803	13,966	18,990	15,503	9,130	**21,237**
	Pounds	2,724	*524*	**2,820**	1,448	2,609	1,107	1,112	2,116
Textile leather	Pounds	*1,855*	4,992	2,148	2,553	5,154	7,667	**10,685**	6,848
Belting leather, butts	Number	2,502	4,323	3,042	*1,698*	2,715	3,556	2,457	**24,927**
	Pounds	55,441	106,599	72,915	*42,099*	65,864	85,465	53,320	**491,021**
Harness leather:									
Black, backs and sides	Number	*49,597*	63,956	50,688	55,302	64,200	55,163	51,643	**69,094**
	Pounds	1,024,261	**1,364,745**	*1,019,738*	1,102,681	1,259,634	1,114,168	1,022,227	1,275,794
Russet, backs and sides	Number	*3,422*	**28,610**	6,451	4,680	4,793	5,149	4,918	5,126
	Pounds	*68,528*	**433,113**	74,577	67,137	72,321	78,164	88,045	100,576
Skirting and collar leather, sides	Number	**8,265**	5,561	5,402	5,074	6,399	5,563	*4,845*	6,050
	Pounds	**134,103**	*68,263*	72,153	72,228	91,265	78,800	71,708	84,949
Bag and strap leather, backs and sides	Number	12,446	8,077	*4,421*	5,123	7,479	13,120	18,786	**21,764**
	Pounds	159,928	122,759	*71,690*	77,128	109,854	193,318	274,505	**328,575**
Upholstery leather:									
Grains, whole hides	Number	*2,285*	3,360	5,099	4,718	4,542	**9,753**	7,628	9,520
Splits, whole hides	Number	*4,165*	4,910	**15,170**	13,826	14,182	9,708	10,775	13,682
Horse butts, not elsewhere specified	Number	391	68	74	*52*	147	**5,348**	211	163
	Pounds	5,173	1,491	785	*715*	1,569	**32,506**	3,371	1,945
Pig and hog leather, not elsewhere specified:									
Skins	Number	*2,075*	2,929	4,071	2,672	2,821	**4,009**	3,036	2,811
	Pounds	*8,489*	11,370	14,464	9,326	10,880	**16,941**	12,636	11,688
Strips	Pounds	*113,576*	180,816	185,081	195,751	145,369	**739,018**	496,050	533,369
Side leather, not elsewhere specified	Number	**29,072**	6,927	*2,204*	3,256	2,529	2,632	13,130	8,718
	Pounds	**411,994**	*27,812*	33,166	42,995	39,398	41,570	67,235	91,699
Rough leather:									
Butts	Number	2,874	**5,422**	3,346	5,033	4,084	5,007	2,338	*2,060*
	Pounds	53,375	92,867	62,393	**179,903**	74,495	101,621	61,269	*51,414*
Sides, backs, and bends	Number	3,100	*945*	2,715	12,783	15,401	12,488	5,811	**15,620**
	Pounds	*26,744*	13,758	32,079	181,124	216,469	172,952	88,683	**247,217**
Skins	Number	2	**13,782**	8	*1*	2,170	2,000	152	51
	Pounds	12	**15,020**	65	*10*	12,759	12,000	7,538	2,224
Other leather	Pounds	**4,664,273**	283,800	2,341,629	193,767	193,242	267,167	*139,896*	891,535
Furs and wooled skins	Number	4,804	**36,855**	4,595	*4,353*	10,402	14,975	6,001	5,630
TANNERS.[3]									
Number of establishments		33	29	17	19	22	12	16	14
Sole leather, backs, bends, and sides	Number	**75,953**	2,550	600	300	626	.....	20	16
	Pounds	**1,594,172**	51,000	15,000	6,600	15,238	.....	414	317
Sole offal leather	Pounds	**916,682**	50,000	54,500	598,644	50,000	.....	278,000	28
SHOE UPPER LEATHER (except patent), total[1]	Square feet	**8 149,682**	1,136 313	400,453	969.604	775,072	*256,327*	430,505	446,917
Cattle—									
Grains, sides	Number	**189,146**	12,549	3,200	4,558	20	.....	60	.....
	Square feet	**2,934,633**	149,517	45,000	49,768	360	.....	954	.....
Splits—									
Whole sides	Number	**10,865**	7,110	4,100	3,057	2,243	2 800	857	.....
	Square feet	**111,471**	88,900	59,800	31,112	31.100	35,000	12,000	.....
Butts	Number	**190,827**	27.528	.....	333	.....	.....	.....	.....

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by **boldface** figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
TANNERS[3]—Continued.									
SHOE UPPER LEATHER (except patent)—Continued.									
Horse—									
Fronts	Number	**27,757**	15,245	75		70		3	
	Square feet	**321 151**	150,209	1 800		1,400		68	
Butts	Number	**52,175**	35,521	8,640	979	8.640			
	Square feet	**391,536**	323,901	129,600	13,860	129,600			
Calf and kip, skins	Number	**45,658**	19,320	225	16,992	440		32,725	12
	Square feet	**496,584**	237,028	3,400	239,100	5,560		261,684	167
Sheep and lamb, skins	Number	**70,688**	16,308	17,628	43,872	18,478	12,044	*10*	25
	Square feet	**549,052**	102.268	116,039	322,764	120,397	75,417	*68*	118
Goat and kid, skins	Number	**364,032**		11,121	54,600	97.283	36,982	31,116	39,320
	Square feet	**1,685,880**		44,814	273 000	486,415	184,910	155 580	196,600
Cabretta, skins	Number	68,796							
	Square feet	430.563							
Kangaroo and wallaby, skins	Number	14,100							
	Square feet	76,375							
Deer and elk, skins	Number		**236**			12		8	3
	Square feet		**1,906**			120		163	32
All other[2]	Pounds	2,000			**23,986**				
All other	Square feet	7,970			10,000	120			**250,000**
PATENT LEATHER (except upholstery), total	Square feet	**2 073,718**		20,800	84,992	15 808		16,000	
Cattle—									
Grains, sides	Number	**113,459**				592			
	Square feet	**2,019,909**				11,840			
Splits, sides	Number	2,464		1,300	**5,312**	248		1,000	
	Square feet	39,424		20,800	**84,992**	3,968		16,000	
Goat and kid, skins	Number	3,554							
	Square feet	15,385							
GLOVE LEATHER, total[1]	Square feet	1,143,952	**2 639,117**	1,506,681	*388,670*	1,234 884	613,138	1,518,212	950,052
Cattle—									
Grains, sides	Number	996	**3 371**						
	Square feet	14,004	**52,603**						
Splits, sides	Number	11.207	20,521	3,819	3,263	1,875	800		**59,498**
	Square feet	156,898	287,294	53 486	45,682	26,250	11,200		**832,972**
Horse—									
Fronts	Number	152	1,368	**6,517**		2,539	30		
	Square feet	2.439	17.499	**147,844**		40,764	450		
Butts	Number	1,723	**2,162**	10			1		
	Square feet	22,400	**31,510**	80			8		
Colt, ass, and mule, skins	Number		6						
	Square feet		50						
Calf and kip, skins	Number	1 962	**4,655**	1,174		23			100
	Square feet	17,188	**42,258**	15,200		205			600
Sheep and lamb, skins	Number	**101,054**	32,059	67.388	11,729	33.600	63,310	49,464	*3,316*
	Square feet	**673,688**	256,477	525,691	333,832	286,800	506,450	395,712	*16,480*
Goat and kid, skins	Number	21.730	11,124			**33,373**			
	Square feet	117,660	59,945			**166,865**			
Deer and elk, skins	Number	360	**161,000**	77,000	105	77,000	1,500	750	
	Square feet	5,437	**1,290,000**	694 000	1.156	694,000	12,000	7,500	
All other[2]	Pounds					23.000			
All other	Square feet	134,258	*1,461*	70 400	8,000	20.000	83,000	**1,115,000**	100,000
FANCY LEATHER	Pounds	96	**11,160**	**11,160**		111			
Sheatlings (tanned), skins	Number	100	**350**						
	Pounds	200	**700**						
Textile leather	Pounds	**25,000**							6.800
Belting leather, butts	Number	1,367	4,500			42	158	172	**6,064**
	Pounds	27,121	**112,500**			1,264	3,168	4,300	94,299
Harness leather:									
Black, backs and sides	Number	**420**	341		25	60	42		47
	Pounds	**6,800**	5,823		500	1,325	850		696
Russet, backs and sides	Number	**225**	61			25			20
	Pounds	**3,850**	1.218			625			200
Skirting and collar leather, sides	Number	275	3.700	3,320	3,320	**4,207**	*13*	5,777	2,296
	Pounds	4,000	55,750	49,800	49,805	42,295	*200*	**86,660**	34,400
Bag and strap leather, backs and sides	Number	50				10			4
	Pounds	**250**				150			48
Upholstery leather:									
Grains, whole hides	Number	**2,000**	1,677	40	1,825	1,514		27	23
Splits, whole hides	Number	8,003	10.167	525	13,370	17.979		12,171	8,661
Horse butts, not elsewhere specified	Number	10	**160**	130		6			
	Pounds	250	**1,600**	3,510		150			
Pig and hog leather, not elsewhere specified:									
Skins	Number	**150**							50
	Pounds	**600**							150
Strips	Pounds	*5,696*	**40.000**	38,000	**40,000**	35,000	36,000	37,000	**40,000**
Side leather, not elsewhere specified	Number	831	975	982	3 345	**7,136**		2,763	2,634
	Pounds	2.073	14 625	14.760	50 175	**107,790**		41.445	31,608
Rough leather:									
Butts	Number	369	58			50		**3.200**	
	Pounds	8,461	1,575			1.445		**43,000**	
Sides, backs, and bends	Number	142	**524**						
	Pounds	2 126	**5,799**						
Skins	Number	3,000							
	Pounds	9 000							
Other leather	Pounds		256 467	300.440		260,815	337,000	74,798	331,791
Furs and wooled skins	Number			**9,850**		150	95		

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TABLE II.—FINISHED LEATHER ON HAND AND IN TRANSIT AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS AND TO THE TANNERS' COUNCIL: 1918.

KIND OF LEATHER.	QUANTITY REPORTED FOR—							
	May 31.	June 30.	July 31.	Aug. 31.	Sept. 30.	Oct. 31.	Nov. 30.	Dec. 31.
Goat and kid, skins	17,997,153	18,734,314	19,757,716	20,778,841	19,805,248	18,519,082	15,383,550	16,548,138
Bureau of the Census	8,432,350	8,754,150	9,782,528	10,696,943	9,638,808	8,768,758	8,055,558	9,058,850
Tanners' Council	9,564,803	9,980,164	9,975,188	10,081,898	10,166,440	9,750,324	7,327,992	7,489,288
Cabretta, skins	2,921,562	3,161,282	3,013,547	3,089,155	3,073,909	3,011,431	2,392,677	2,469,248
Bureau of the Census	1,291,366	1,542,722	1,452,984	1,496,799	1,573,765	1,602,241	1,510,305	1,540,727
Tanners' Council	1,630,196	1,618,560	1,560,563	1,592,356	1,500,144	1,409,190	882,372	928,521
Kangaroo and wallaby, skins	508,087	499,445	519,313	506,867	524,945	474,066	504,590	504,516
Bureau of the Census	249,373	242,055	259,968	286,024	314,242	275,569	317,234	320,871
Tanners' Council	258,714	257,390	259,345	220,843	210,703	198,497	187,356	183,645
Calf and kip, skins	5,196,901	5,268,155	5,316,227	5,681,666	5,842,630	5,203,498	5,077,075	5,024,629
Bureau of the Census	2,147,621	2,135,530	1,980,995	2,209,041	2,203,882	2,058,527	2,074,101	2,125,151
Tanners' Council	3,049,280	3,132,625	3,335,232	3,472,625	3,638,748	3,144,971	3,002,974	2,899,478
Deer and elk, skins	408,866	596,108	496,783	465,568	621,118	559,558	428,230	440,412
Bureau of the Census	200,913	393,686	298,381	283,954	385,359	365,866	318,478	337,453
Tanners' Council	207,953	202,422	198,402	181,614	235,759	193,692	109,752	102,959
Colt, ass, and mule, skins	98,263	55,503	88,445	142,531	144,178	130,153	122,647	184,554
Bureau of the Census	82,538	42,410	79,295	102,448	103,269	91,618	89,851	84,189
Tanners' Council	15,725	13,093	9,150	40,083	40,909	38,535	32,796	100,365
Horse fronts	650,154	782,922	711,572	633,511	647,971	603,291	574,688	601,852
Bureau of the Census	399,863	408,464	402,564	366,307	325,181	316,645	287,636	287,077
Tanners' Council	250,291	374,458	309,008	267,204	322,790	286,646	287,052	314,775
Horse butts	459,676	448,169	526,114	407,087	419,190	405,383	410,651	472,058
Bureau of the Census	283,221	314,024	309,849	264,857	252,842	252,522	252,276	284,326
Tanners' Council	176,455	134,145	216,265	142,230	166,348	152,861	158,375	187,732
Sheep and lamb, skins	9,496,976	9,411,330	9,059,245	9,846,050	9,188,110	9,565,361	7,794,742	9,215,330
Bureau of the Census	4,713,980	4,553,000	4,728,336	4,788,365	4,620,854	4,889,663	4,209,609	4,564,180
Tanners' Council	4,782,996	4,858,330	4,330,909	5,057,685	4,567,256	4,675,698	3,585,133	4,651,150
Shearlings, skins	83,384	124,241	248,650	178,332	255,496	264,151	352,943	273,671
Bureau of the Census	28,918	70,492	147,707	92,332	74,024	92,570	56,221	82,660
Tanners' Council	54,466	53,749	100,943	86,000	181,472	171,581	296,722	191,011
Skivers and fleshers, skins	945,171	1,132,636	1,126,088	909,082	881,808	593,850	750,555	1,007,339
Bureau of the Census	481,731	615,833	613,979	381,566	444,411	268,043	502,185	665,993
Tanners' Council	463,440	516,803	482,109	527,516	437,397	325,807	248,370	341,346
Side upper	5,367,302	5,203,148	5,700,814	5,802,681	6,031,909	5,346,338	5,167,619	5,380,054
Bureau of the Census	2,405,706	2,375,327	3,010,380	2,990,473	2,930,369	2,300,909	2,462,929	2,488,648
Tanners' Council	2,961,596	2,827,821	2,690,434	2,812,208	3,101,540	3,045,369	2,704,690	2,891,406
Splits	7,089,934	7,451,700	7,202,343	6,389,202	7,165,624	6,414,263	6,152,807	6,829,970
Bureau of the Census	1,872,635	2,114,164	2,399,258	1,805,850	1,809,171	1,549,741	1,872,935	2,206,926
Tanners' Council	5,217,299	5,337,536	4,803,085	4,583,352	5,356,453	4,864,522	4,279,872	4,623,044
Upholstery:								
Grains, whole hides	149,519	159,668	196,057	200,923	181,878	171,400	159,573	200,829
Bureau of the Census	95,191	105,712	143,113	149,958	151,592	135,338	121,500	149,865
Tanners' Council	54,328	53,956	52,944	50,965	30,286	36,062	38,073	50,964
Splits, whole hides	165,152	211,524	156,863	151,078	148,098	139,641	142,005	135,839
Bureau of the Census	99,677	140,444	101,553	73,205	104,533	102,388	105,741	83,837
Tanners' Council	65,475	71,080	55,310	77,873	43,565	37,253	36,264	52,002
Harness, bag and strap, sides and backs	828,693	907,506	853,427	850,815	1,004,893	991,743	1,006,162	1,128,606
Bureau of the Census	501,653	578,131	553,166	538,894	611,055	548,553	523,157	509,379
Tanners' Council	327,040	329,375	300,261	311,921	393,838	443,190	483,005	619,227
Skirting and collar, sides	176,683	178,269	328,511	191,526	190,904	208,461	242,396	236,818
Bureau of the Census	110,813	121,798	254,890	127,458	124,509	125,067	158,533	131,392
Tanners' Council	65,870	53,471	73,621	64,068	66,455	83,394	83,863	105,426
Glove, cattle, sides	32,567	48,027	52,464	61,578	79,235	99,914	93,116	97,413
Bureau of the Census	27,185	43,920	47,131	56,584	76,508	85,942	67,937	80,014
Tanners' Council	5,382	4,107	5,333	4,994	2,727	13,972	25,179	17,399
Chamois, skins	28,748	20,461	39,308	35,373	38,408	36,780	28,518	42,130
Bureau of the Census	28,328	17,567	36,146	30,424	34,337	31,193	22,930	36,612
Tanners' Council	420	2,894	3,162	4,949	4,071	5,587	5,588	5,518
Seal, skins	52,717	52,226	57,419	76,742	60,460	75,342	62,703	67,541
Bureau of the Census	44,819	51,446	56,500	69,980	58,201	60,392	60,172	65,421
Tanners' Council	7,898	780	919	6,762	2,259	14,950	2,531	2,120
Pig and hog, skins	90,813	101,865	107,804	103,434	86,922	109,354	85,102	97,531
Bureau of the Census	69,084	86,298	89,232	86,673	65,117	85,062	69,578	66,356
Tanners' Council	21,729	15,567	18,572	16,761	21,805	24,292	15,524	31,175
Belting, butts	435,216	407,045	466,639	416,588	406,390	421,636	396,234	447,521
Bureau of the Census	162,161	155,334	224,903	170,695	179,494	200,411	159,567	178,925
Tanners' Council	273,055	251,711	241,736	245,893	226,896	221,225	236,667	268,596
Sole leather, backs, bends, and sides	5,530,360	5,643,347	5,081,358	5,465,245	5,391,675	4,913,904	4,183,796	5,224,663
Bureau of the Census	1,227,132	1,438,570	1,784,503	1,711,731	1,945,769	1,991,895	1,770,853	2,286,993
Tanners' Council	4,303,228	4,201,777	3,296,855	3,753,514	3,445,906	2,922,009	2,412,943	2,937,670
Sole offal, pounds	71,650,428	76,632,109	78,034,083	93,861,820	101,891,988	110,643,116	94,614,539	96,330,993
Bureau of the Census								

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TABLE III.—BOOT AND SHOE CUT STOCK AND FINDINGS ON HAND AND IN TRANSIT, FOR EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS: 1918.

KIND.	QUANTITY REPORTED FOR— May 31. Total.	May 31. Men's, boy', and youths'.	May 31. Women's, misses', and children's.	June 30. Total.	June 30. Men's, boys', and youths'.	June 30. Women's, misses', and children's.	July 31. Total.	July 31. Men's, boys', and youths'.	July 31. Women's, misses', and children's.	Aug. 31. Total.	Aug. 31. Men's, boys', and youths'.	Aug. 31. Women's, misses', and children's.
Leather:												
Outer soles—	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*
9-iron and up	13,586,864	8,055,755	5,531,109	10,991,182	7,271,257	3,719,925	13,015,446	7,835,471	5,179,975	13,489,108	8,623,149	4,865,959
Under 9-iron	53,385,666	19,826,435	33,559,231	72,306,280	22,661,252	49,645,028	70,555,390	21,844,605	48,710,785	73,974,872	23,242,200	50,732,672
Half soles	15,837,129	9,472,241	6,364,888	21,197,355	13,050,048	8,147,307	17,140,322	8,895,686	8,244,636	36,817,577	14,827,566	21,990,011
Middle soles	7,619,865	4,851,996	2,767,869	5,961,526	4,516,950	1,444,576	6,343,382	4,381,757	1,961,625	6,157,421	4,500,761	1,656,660
Inner soles—												
Goodyear	7,950,958	3,691,345	4,259,613	10,328,077	5,122,542	5,205,535	10,906,349	5,770,289	5,136,060	13,258,648	7,943,761	5,314,887
Gem	11,164,531	5,427,977	5,736,554	11,806,178	6,967,033	4,839,145	11,609,130	6,178,106	5,431,024	11,602,299	6,605,546	4,996,753
McKay	17,492,682	5,005,798	12,486,884	15,852,211	4,316,393	11,535,818	18,456,834	4,748,296	13,708,538	18,854,135	5,410,223	13,443,912
Counters	39,253,387	16,629,510	22,623,877	48,702,119	22,345,606	26,356,513	50,356,960	22,099,999	28,256,961	52,889,632	24,143,881	28,745,751
Heels	15,425,269	6,845,241	8,580,028	24,866,173	10,135,406	14,730,767	22,043,973	9,674,046	12,369,927	21,008,448	9,364,492	11,643,956
Top pieces	31,693,918	14,861,178	16,832,740	31,196,420	13,948,841	17,247,579	34,077,017	13,681,812	20,395,205	35,034,366	16,380,548	18,653,818
Box toes	8,552,731	5,229,842	3,322,889	10,464,188	6,518,922	3,945,266	10,364,644	6,549,273	3,815,371	12,144,923	8,333,560	3,811,363
Rubber:												
Full soles	738,979	423,197	315,782	698,678	407,669	291,009	756,892	536,156	220,736	907,437	513,462	393,975
Half soles	306,932	215,924	91,008	281,741	205,871	75,870	396,579	222,170	174,409	256,863	169,474	87,389
Heels	11,420,526	7,412,580	4,007,946	10,337,361	6,356,552	3,980,809	11,351,121	7,168,686	4,182,435	12,075,105	7,471,060	4,604,045
Fiber:												
Soles	1,392,293	981,142	411,151	1,193,006	733,235	459,771	1,710,553	1,107,804	602,749	1,892,286	1,186,946	705,340
Counters	24,962,859	11,182,308	13,780,551	29,930,404	12,856,133	17,074,271	26,721,015	10,934,893	15,786,122	31,677,782	14,001,086	17,676,696
Other leather-substitute soles	673,967	543,508	130,459	418,638	90,269	328,369	430,301	100,119	330,182	370,305	110,860	259,445
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
Leather heel lifts	6,159,828	3,050,008	3,109,820	6,540,303	3,538,324	3,001,979	14,579,396	11,116,479	3,462,917	7,618,433	4,491,036	3,127,397
Leather tongues and stays [1]	394,960			1,667,897			487,129			702,451		
All other cut stock	4,036,465	2,597,638	1,438,827	4,094,464	2,474,369	1,620,095	3,604,327	2,374,260	1,230,067	3,197,700	2,239,822	957,968
	Yards.	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
Welting [1]	19,698,209			21,100,509			21,267,132			19,854,779		
Cotton lining [1]	16,436,363			16,696,722			17,344,673			18,770,584		
Cloth and fabric for uppers [1]	5,367,033			4,391,674			4,347,930			4,885,498		

KIND.	QUANTITY REPORTED FOR— Sept. 30. Total.	Sept. 30. Men's, boys', and youths'.	Sept. 30. Women's, misses', and children's.	Oct. 31. Total.	Oct. 31. Men's, boys', and youths'.	Oct. 31. Women's, misses', and children's.	Nov. 30. Total.	Nov. 30. Men's, boys', and youths'.	Nov. 30. Women's, misses', and children's.	Dec. 31. Total.	Dec. 31. Men's, boys', and youths'.	Dec. 31. Women's, misses', and children's.
Leather:												
Outer soles—	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*
9-iron and up	12,846,107	8,801,762	4,044,345	12,470,084	8,391,779	4,078,305	13,961,580	9,780,823	4,180,757	13,790,329	9,414,434	4,375,895
Under 9-iron	72,623,006	23,347,794	49,275,212	71,734,172	21,365,256	50,368,916	63,233,241	25,647,546	37,585,695	67,842,377	20,761,559	47,080,818
Half soles	17,177,646	8,732,053	8,445,593	15,658,195	8,341,335	7,316,860	15,950,792	8,288,980	7,661,812	25,034,064	12,718,338	12,315,726
Middle soles	6,415,915	3,627,578	2,788,337	11,315,895	5,896,647	5,419,248	6,247,015	3,414,176	2,832,839	12,533,778	6,190,694	6,343,084
Inner soles—												
Goodyear	12,802,515	7,678,882	5,123,633	11,666,069	6,400,316	5,265,753	10,427,314	5,950,262	4,477,052	10,716,808	6,340,171	4,376,637
Gem	11,135,588	6,054,788	5,080,800	10,419,541	5,455,653	4,963,888	9,618,238	5,352,548	4,265,690	10,145,230	6,308,151	3,842,079
McKay	16,819,226	5,018,271	11,800,955	16,600,458	4,937,707	11,752,751	17,674,931	5,822,050	11,852,881	17,706,749	6,871,334	10,835,415
Counters	53,229,757	23,893,313	29,336,444	48,851,002	20,841,465	28,009,537	44,432,160	16,662,062	27,770,098	47,459,779	17,154,153	30,305,626
Heels	20,421,136	9,245,591	11,175,545	18,859,604	8,401,191	10,458,413	17,888,481	8,072,144	9,816,337	18,617,400	8,700,895	9,916,505
Top pieces	35,217,473	15,366,020	19,851,453	34,889,275	15,325,204	19,564,071	35,207,835	15,574,257	19,633,578	37,690,802	15,587,264	22,103,538
Box toes	12,142,885	8,017,023	4,125,862	10,606,848	6,321,548	4,285,300	8,563,286	4,711,668	3,851,618	9,396,146	5,033,508	4,362,638
Rubber:												
Full soles	867,667	488,786	378,881	920,008	466,743	453,265	922,939	467,718	455,221	969,058	487,977	481,081
Half soles	338,937	235,375	103,562	358,934	259,317	99,617	200,322	162,701	37,621	242,526	175,055	67,471
Heels	12,924,729	7,266,034	5,658,695	13,039,599	7,555,265	5,484,334	13,385,135	7,932,005	5,453,130	14,723,048	9,000,739	5,722,309
Fiber:												
Soles	1,715,033	1,193,531	521,502	1,924,659	1,250,256	674,403	1,910,331	1,318,877	591,454	1,884,030	1,307,515	576,515
Counters	28,642,196	12,673,532	15,968,664	27,967,654	12,750,185	15,217,469	29,041,069	13,062,690	15,978,379	32,929,084	14,513,717	18,415,367
Other leather-substitute soles	241,402	69,351	172,051	179,820	78,130	101,690	105,070	33,836	71,234	309,385	234,937	74,448
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
Leather heel lifts	7,109,599	4,197,728	2,911,871	7,277,187	4,177,662	3,099,525	6,349,686	3,654,416	2,695,270	6,000,563	3,167,679	2,832,884
Leather tongues and stays [1]	728,175			670,962			834,950			1,307,159		
All other cut stock	2,579,413	1,755,098	824,315	2,286,758	1,765,427	521,331	2,248,578	1,386,618	861,960	3,062,692	1,675,296	1,387,396
	Yards.	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
Welting [1]	23,122,897			23,854,122			22,132,032			22,334,928		
Cotton lining [1]	17,491,703			18,488,243			18,409,849			21,431,977		
Cloth and fabric for uppers [1]	4,533,901			4,667,313			4,318,324			4,458,122		

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TABLE IV.—BOOTS AND SHOES AND LEATHER GOODS MANUFACTURED AND STOCKS ON HAND AND IN TRANSIT, AS REPORTED TO THE BUREAU OF THE CENSUS: 1918.

[The month of maximum stocks for each kind of manufactured leather is indicated by **boldface** figures.]

CLASS.	MANUFACTURED DURING MONTH OF—							STOCKS ON HAND, INCLUDING GOODS IN TRANSIT, AT THE END OF—						
	June.	July.	August.	September.	October.	November.	December.	June.	July.	August.	September.	October.	November.	December.
BOOTS AND SHOES.														
Military boots and shoes (for Government use):	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*	*Dozen pairs.*
Metallic fastened field boots	127	373	1,841	594	165	6,798	1,199	517	696	790	1,328	940	**1,839**	1,018
Metallic fastened field shoes	6,129	59,478	42,302	51,041	119,792	56,412	158,324	72	1,648	1,353	2,449	**3,067**	1,988	672
Welt fastened field shoes	182,161	143,050	42,102	27,897	8,914	11,053	15,302	7,018	**15,228**	1,833	1,904	1,893	1,875	1,803
Welt unlined marching shoes	90,175	71,927	19,462	11,338	3,538	447	5,907	**3,811**	2,731	2,842	2,530	2,581	2,309	2,152
Russet lined marching shoes	7,071	6,571	500	99	.....	726	765	2,589	3,572	**5,385**	4,234	3,641	3,276	4,165
All other military shoes, including those for the Navy	15,317	88,521	4,896	6,737	13,120	13,070	18,080	5,347	**9,744**	9,693	4,687	4,124	4,307	6,227
Leather putties	1,993	3,735	3,222	24,011	5,370	325	309	3,154	3,409	3,764	**10,775**	3,455	2,147	1,691
Civilian boots and shoes:														
Men's (sizes 5 to 11)—														
Unlined boots, shoes, and high cuts	327,772	227,582	198,827	192,439	216,109	198,907	227,793	478,468	**578,091**	555,722	461,361	500,769	452,961	517,384
Lined dress shoes	394,691	384,579	269,619	304,894	320,081	329,905	394,526	**1,267,325**	1,196,379	828,054	808,773	745,178	853,918	906,954
Lined dress oxford and low shoes	120,511	64,370	20,143	17,025	28,061	28,564	88,458	169,709	208,577	150,109	160,075	169,095	212,582	**236,622**
Youths' (sizes 12 to 2)—														
Unlined boots, shoes, and high cuts	15,297	17,397	28,304	22,878	28,901	19,596	27,434	47,435	72,205	59,575	**80,452**	61,156	59,997	64,061
Lined dress shoes	32,165	31,770	36,671	31,538	35,237	32,874	72,423	100,974	**176,670**	127,310	110,671	114,345	109,525	114,551
Dress shoes, fabric uppers	4,429	1,206	3,501	4,282	8,367	2,179	5,328	10,479	3,858	2,086	27,550	6,494	3,012	**29,767**
Lined oxford and low shoes	123	875	663	216	992	17,758	7,509	5,771	**12,039**	7,493	6,560	7,566	6,342	7,698
Oxford and low shoes, fabric uppers	581	596	.....	146	1,236	428	3,834	943	1,472	1,242	10,775	**27,573**	1,739	10,985
Boys' (sizes 2½ to 5)—														
Unlined boots, shoes, and high cuts	47,485	38,377	35,639	31,002	35,948	31,270	44,413	**161,631**	148,752	102,316	83,342	100,209	98,014	82,596
Lined dress shoes	61,629	52,134	46,053	46,039	49,735	54,354	81,415	167,411	**267,100**	224,765	163,045	155,043	159,920	84,261
Lined dress oxford and low shoes	1,279	2,577	10,394	96	1,536	1,162	4,203	11,927	**24,336**	11,614	11,823	22,287	13,686	10,853
Women's (sizes 2½ to 9)—														
Oxford and low shoes	196,755	179,756	181,719	108,715	207,223	209,344	327,670	417,373	568,971	399,834	429,848	481,499	526,637	**653,998**
Oxford and low shoes, fabric uppers	49,774	61,837	48,653	87,902	81,799	58,464	91,909	126,375	170,283	161,393	178,748	157,809	160,696	**213,632**
High cut, leather uppers	315,776	455,989	569,881	476,694	527,498	438,195	369,668	900,252	**1,306,225**	1,107,332	1,005,733	1,017,512	1,034,609	1,122,157
High cut, fabric uppers	100,889	121,120	144,863	110,553	163,435	116,983	94,141	215,348	290,047	**303,971**	271,640	289,638	284,203	298,042
Misses' (sizes 11 to 2)—														
Oxford and low shoes	13,823	32,668	29,892	22,951	51,867	54,187	64,180	60,706	96,790	61,319	67,919	89,859	90,071	**106,477**
High cut, leather uppers	103,689	105,308	122,761	116,115	104,821	139,481	113,719	234,067	**350,023**	241,845	317,727	254,317	242,152	255,190
High cut, fabric uppers	16,453	16,752	21,041	22,094	30,076	14,069	33,870	44,901	**70,371**	55,343	53,503	53,082	53,652	69,276
Children's (sizes 8 to 11)	141,670	155,331	134,410	137,140	139,715	158,885	214,672	208,894	**351,884**	288,553	278,707	286,603	284,529	316,532
Infants' (sizes 4 to 8)	160,167	181,190	174,613	148,070	171,592	177,159	228,343	317,383	488,901	408,892	391,796	408,152	404,722	**507,972**
Babies' (sizes 0 to 5)	90,007	101,422	100,343	103,818	133,134	101,741	132,811	211,147	299,072	244,576	208,793	229,702	283,479	**303,232**
Sandals	8,527	83,277	4,757	12,691	15,073	13,711	37,929	26,531	**149,314**	36,691	36,458	39,906	43,874	59,273
Leather slippers:														
Men's	29,037	37,927	24,662	24,170	20,050	23,878	13,864	82,801	**129,478**	83,802	72,196	73,212	77,864	55,745
Women's	21,444	27,375	17,787	8,649	7,581	8,223	8,911	80,751	**136,663**	82,535	58,731	61,937	58,367	55,772
Children's	16,197	5,461	6,262	3,895	696	2,621	1,031	36,469	**61,554**	36,009	15,275	14,856	12,605	11,545
Athletic and sporting shoes:														
Men's	5,702	1,616	6,023	4,180	4,079	3,955	4,915	30,138	**63,809**	43,090	44,355	48,385	62,096	50,568
Youths'	492	545	331	573	194	394	226	9,510	**19,123**	12,941	10,520	15,012	16,222	12,673
Boys'	948	526	463	525	959	712	948	13,229	**42,348**	22,987	**44,147**	20,667	27,198	24,856
Women's	1,831	924	715	836	811	277	1,000	19,688	**88,318**	39,452	32,863	28,902	28,042	29,019
Children's	221	554	139	186	23	44	29	8,424	**21,310**	12,483	10,476	14,028	13,023	11,782
Leather putties (not military):														
Men's and women's	5,065	11,594	4,570	758	1,823	2,031	5,085	4,579	**13,164**	11,925	4,959	4,607	3,937	6,195
All other leather leggings	1,021	254	296	.....	28	.....	.....	1,187	2,558	2,627	**10,403**	1,888	878	1,486
GLOVES.														
Gauntlets	81,733	80,351	95,347	67,717	84,969	93,845	53,859	41,939	25,862	**48,764**	44,267	45,741	39,776	39,660
Men's work	73,658	149,715	122,473	92,130	117,418	145,243	167,883	43,546	**74,936**	60,727	48,871	56,013	63,239	62,239
Men's dress	42,944	44,200	72,995	40,656	59,995	63,033	51,532	117,028	56,417	**143,363**	124,670	92,591	132,976	118,987
Boys'	11,592	9,764	10,116	14,960	16,636	21,355	9,370	**66,355**	55,134	27,013	23,911	47,352	54,393	47,287
Women's	23,836	28,692	30,315	35,542	22,552	32,062	23,251	145,601	220,932	**359,281**	201,308	224,103	278,902	231,704
Children's	24,405	5,291	6,164	8,605	8,378	18,387	6,823	**43,422**	23,779	36,145	20,861	23,634	25,678	21,091
SADDLERY AND HARNESS.	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*	*Single sets.*
Cart	5,510	4,893	1,690	2,802	5,606	3,108	1,275	**2,898**	2,522	739	1,944	1,663	2,136	2,291
Farm	4,425	4,123	5,628	5,145	8,229	5,354	7,735	17,508	18,612	20,592	26,302	22,342	21,859	**28,543**
Wagon	3,850	3,016	3,371	4,850	5,142	5,572	3,877	8,532	10,523	10,893	9,962	**11,696**	9,438	9,493
Light driving	13,214	8,605	7,851	10,305	9,639	8,057	6,272	11,614	14,378	**15,319**	13,520	13,820	13,399	13,111
Military—														
Army escort	12,890	5,094	4,412	5,454	11,769	10,800	3,424	8,815	1,170	1,942	3,631	8,402	**13,542**	3,301
Army combat	6,988	5,100	10,186	4,482	4,050	5,600	7,850	1,002	2,415	1,506	2,218	2,000	4,310	**10,550**
Army artillery	3,690	3,738	5,210	7,728	13,348	7,990	7,823	1,189	3,016	3,052	6,492	**11,460**	4,470	7,370
Spare parts for military harness	*Number.* 113,514	*Number.* 269,353	*Number.* 247,966	*Number.* 134,040	*Number.* 80,125	*Number.* 34,968	*Number.* 131,857	*Number.* 20,762	*Number.* **71,394**	*Number.* 37,670	*Number.* 47,895	*Number.* 9,008	*Number.* 2,953	*Number.* 49,128
Aparejos	3,460	4,307	1,646	4,291	4,782	1,691	1,309	1,087	3,908	1,148	5,548	**9,481**	225	2,433
Saddles, riding	44,049	29,528	35,304	28,416	41,692	24,673	28,253	12,954	10,010	12,910	11,777	15,086	14,388	**17,603**
Horse and mule collars	104,495	117,328	92,417	96,784	90,308	88,508	81,854	225,301	247,385	**277,037**	268,202	260,163	245,664	247,593
Bridles, riding	41,900	2,692	7,950	9,239	22,561	18,723	6,539	19,005	16,389	20,362	20,123	**28,018**	21,582	17,799
Bridles, wagon	46,219	21,537	106,293	130,500	84,268	35,634	18,711	53,024	62,482	**105,041**	80,654	72,453	58,869	55,038
Halters—														
With straps	45,549	21,511	31,789	23,285	15,838	6,825	8,183	15,151	14,566	21,866	**26,473**	22,556	14,866	15,889
Without straps	45,866	51,220	50,044	43,421	27,760	15,038	12,354	81,627	115,969	**133,223**	85,650	83,351	65,527	75,208
Nose bags	15,040	6,316	9,817	12,045	9,606	7,493	3,687	10,094	**11,040**	8,741	9,391	9,659	6,092	7,164
Bayonet scabbards	53,537	115,346	155,962	134,393	227,965	69,346	27,841	62,238	**91,868**	55,629	7,443	15,510	23,629	12,372
Gun slings	101,692	152,055	958,139	204,481	346,369	183,138	125,568	38,289	79,387	108,160	47,159	**128,546**	118,165	107,048
Straps and belts	581,432	447,496	323,897	680,601	915,027	384,274	382,184	204,016	348,412	181,746	**506,692**	238,385	231,334	256,917
Leather lacings	30,945	43,730	73,880	74,333	89,600	54,642	30,456	61,559	38,453	163,396	**205,189**	170,032	188,471	184,110
MISCELLANEOUS.														
Belts	314,177	174,107	205,306	1,245,349	221,112	217,540	154,961	222,141	310,469	351,910	356,959	**451,303**	336,990	346,396
Bags, valises, suit cases, hat boxes, satchels, and leather trunks	160,471	95,412	342,656	97,284	135,989	108,932	179,605	150,278	167,929	**293,366**	214,793	247,109	218,808	231,215
Pocketbooks, purses, cardcases, music cases, etc.	839,056	1,418,251	1,333,825	1,588,266	1,344,835	1,471,159	1,222,612	1,134,279	**1,762,017**	1,694,611	1,754,270	1,427,705	1,445,648	1,175,068
Jerkins	107,487	96,076	114,385	7,864	51,887	10,323	2,263	3,269	3,275	1,722	5,205	9,206	**48,648**	6,623
Other leather clothing	11,976	35,245	1,257	3,099	10,664	12,801	9,765	8,047	**25,050**	14,180	12,080	11,435	6,429	3,432

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TABLE V.—NUMBER OF ESTABLISHMENTS REPORTING TO THE BUREAU OF THE CENSUS QUANTITIES OF BOOTS AND SHOES AND LEATHER GOODS MANUFACTURED AND STOCKS ON HAND AND IN TRANSIT, BY CLASSES OF MANUFACTURERS AND DEALERS AND BY GEOGRAPHIC DIVISIONS: 1918.

CLASS AND DIVISION.	NUMBER OF ESTABLISHMENTS REPORTING DURING 1918 FOR—						
	June 30.	July 31.	Aug. 31.	Sept. 30.	Oct. 31.	Nov. 30.	Dec. 31.
Total number	3,541	4,358	4,471	4,767	5,338	5,395	5,894
Manufacturers:							
Boots and shoes	643	730	719	732	834	828	879
Harness and saddlery	390	406	338	233	284	283	280
Gloves	156	195	176	170	179	192	196
Other leather goods	299	360	312	313	299	301	321
Dealers:							
Boots and shoes	1,293	1,706	1,987	2,333	2,732	2,694	2,934
Harness and saddlery	428	529	405	401	322	372	430
Gloves	12	14	15	12	11	15	22
Other leather goods	320	418	519	573	677	710	832
New England	480	560	637	717	801	809	897
Manufacturers:							
Boots and shoes	259	273	293	309	350	358	388
Harness and saddlery	17	19	14	12	11	9	9
Other leather goods [1]	41	60	58	55	51	50	52
Dealers:							
Boots and shoes	133	164	226	280	323	329	368
Harness and saddlery	9	17	7	9	9	8	9
Other leather goods [2]	21	27	39	52	57	55	71
Middle Atlantic	891	1,277	1,181	1,144	1,357	1,336	1,438
Manufacturers:							
Boots and shoes	198	258	229	216	264	258	270
Harness and saddlery	56	72	53	28	29	25	26
Gloves	99	131	117	103	112	120	124
Other leather goods	139	171	135	136	135	136	147
Dealers:							
Boots and shoes	286	482	506	538	684	667	720
Harness and saddlery	65	82	43	35	34	35	38
Gloves	6	9	8	7	8	8	12
Other leather goods	42	72	90	81	91	87	101
North Central	1,289	1,609	1,565	1,685	1,822	1,982	2,102
Manufacturers:							
Boots and shoes	142	148	148	156	167	164	172
Harness and saddlery	184	198	169	113	140	162	150
Gloves	37	43	36	41	42	46	46
Other leather goods	84	91	77	80	81	85	87
Dealers:							
Boots and shoes	465	644	696	830	953	989	1,038
Harness and saddlery	232	288	225	221	172	222	254
Gloves	2	3	3	2	1	.....	2
Other leather goods	143	194	211	242	266	314	353
South Atlantic	259	294	323	387	469	424	483
Manufacturers:							
Boots and shoes	15	16	17	20	21	18	20
Harness and saddlery	37	37	31	23	28	28	29
Other leather goods [1]	14	12	13	15	14	11	13
Dealers:							
Boots and shoes	155	174	211	261	312	275	315
Harness and saddlery	19	25	16	19	10	11	16
Other leather goods [2]	19	30	35	49	84	81	90
South Central	256	277	338	350	387	358	427
Manufacturers:							
Boots and shoes	13	16	15	13	14	13	11
Harness and saddlery	47	41	40	30	39	30	32
Other leather goods	8	8	8	7	7	7	9
Dealers:							
Boots and shoes	105	114	156	186	196	185	225
Harness and saddlery	46	57	52	51	45	43	54
Other leather goods	37	41	67	63	86	80	96
Mountain	105	99	124	158	159	151	186
Manufacturers:							
Harness and saddlery	20	21	18	16	20	15	19
Other leather goods [3]	4	1	4	3	2	1	2
Dealers:							
Boots and shoes	25	23	42	66	61	57	67
Harness and saddlery	28	30	24	36	29	26	30
Other leather goods [3]	28	24	36	37	47	52	68
Pacific	261	242	303	326	343	335	361
Manufacturers:							
Boots and shoes	15	18	16	17	17	16	17
Harness and saddlery	29	18	13	11	17	14	15
Gloves	13	14	15	18	18	19	20
Other leather goods	17	25	26	26	17	19	18
Dealers:							
Boots and shoes	124	105	150	172	203	192	201
Harness and saddlery	29	30	38	30	23	27	29
Other leather goods	34	32	45	52	48	48	61

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DEPARTMENT OF COMMERCE
WM. C. REDFIELD, Secretary

CENSUS OF WAR COMMODITIES

BUREAU OF THE CENSUS
SAM. L. ROGERS, Director

STATISTICS OF LEATHER

WASHINGTON, D. C., *September 25, 1918.*—The results of the census of leather stocks on hand and in transit in the United States, May 31, 1918, obtained by the Bureau of the Census at the request of the War Industries Board, have been issued by Director Sam. L. Rogers of the Bureau of the Census, Department of Commerce. The work was done under the supervision of Eugene F. Hartley, Chief Statistician for Manufactures. A thorough canvass of the United States was made for leather stocks on hand May 31, 1918. Schedules were sent to manufacturers of boots and shoes, gloves, and harness and saddlery, and to dealers in leather and to tanners who do not report to the Tanners' Council. In order to include all establishments where there was likelihood of a leather supply, schedules were also sent to manufacturers of automobiles, carriages and wagons, and to repair shops, etc. Of the 26,200 schedules mailed, 3,266 reported stocks of leather or findings on hand.

Leather stocks were reported to the Census Bureau by manufacturers of boots and shoes, gloves, harness and saddlery, and other leather goods, and by dealers, importers, and tanners not reporting to the Tanners' Council.

The census schedule requested that stock reported to the Tanners' Council should not be included in the census returns. There is presented, however, at the end of the report, a statement showing the total finished leather on hand and in transit, May 31, 1918, as reported to the Tanners' Council and to the Bureau of the Census.

A summary following shows total leather stocks owned in the United States, May 31, 1918, giving the number of sides, skins, etc., with equivalent in pounds or square feet.

Table I gives the leather stocks on hand, showing separately the stocks reported by the several classes of manufacturers and by dealers and tanners.

Table II shows a distribution by states of the quantities of the various kinds of leather reported by the different groups of manufacturers and by leather dealers and tanners.

Table III shows the total quantities of the various kinds of cut stock and findings, the quantities reported by the manufacturers of boots and shoes, of cut stock, of other leather goods (including gloves and harness and saddlery), and by dealers and tanners being shown separately.

CENSUS OF LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES, MAY 31, 1918, TAKEN BY THE BUREAU OF THE CENSUS AT THE REQUEST OF THE WAR INDUSTRIES BOARD.

KIND OF LEATHER.	Unit of measure.	Quantity.
Sole leather	Backs, bends, sides (number)	1,194,536
	Pounds	18,390,525
Sole offal leather	Pounds	30,119,941
Shoe upper leather (except patent):		
Cattle—		
Grains	Sides (number)	1,941,351
	Square feet	31,503,129
Splits—		
Whole side	Whole sides (number)	757,086
	Square feet	8,627,956
Butt split	Butt splits (number)	709,958
	Square feet	4,889,118
Horse—		
Fronts	Whole fronts (number)	162,391
	Square feet	2,197,146
Butts	Whole butts (number)	219,142
	Square feet	2,330,342
Colt, ass, and mule	Skins (number)	47,847
	Square feet	344,333
Calf and kip	Skins (number)	2,120,804
	Square feet	21,197,125
Sheep and lamb	Skins (number)	2,881,481
	Square feet	27,018,254
Goat and kid	Skins (number)	7,992,088
	Square feet	36,360,684
Cabretta	Skins (number)	1,291,366
	Square feet	7,797,740
Kangaroo and wallaby	Skins (number)	249,373
	Square feet	1,296,320
Deer and elk	Skins (number)	108,636
	Square feet	819,614
All other	Pounds	650,037
	Square feet	3,745,361
Patent leather (except upholstery):		
Cattle—		
Grains	Sides (number)	407,447
	Square feet	4,560,341
Splits	Sides (number)	56,221
	Pounds	634,742
Horse—		
Fronts	Whole fronts (number)	11,761
	Square feet	150,876
Butts	Whole butts (number)	28,655
	Square feet	187,634
Colt, ass, and mule	Skins (number)	18,815
	Square feet	220,089
Goat and kid	Skins (number)	124,133
	Square feet	501,629
All other	Pounds	29,035
	Square feet	238,390
Glove leather:		
Cattle—		
Grains	Sides (number)	27,185
	Square feet	443,381
Splits	Sides (number)	349,370
	Pounds	2,130,623
Horse—		
Fronts	Whole fronts (number)	225,711
	Square feet	3,189,438
Butts	Whole butts (number)	30,118
	Square feet	422,862
Colt, ass, and mule	Skins (number)	15,876
	Square feet	212,963
Calf and kip	Skins (number)	26,817
	Square feet	319,760
Sheep and lamb	Skins (number)	1,882,499
	Square feet	11,923,107
Goat and kid	Skins (number)	316,129
	Square feet	1,589,038
Deer and elk	Skins (number)	92,277
	Square feet	926,926
All other	Pounds	119,928

KIND OF LEATHER.	Unit of measure.	Quantity.
Fancy leather—Continued.		
Seal	Skins (number)	44,819
	Pounds	178,681
Pig	Skins (number)	38,816
	Pounds	160,479
All other	Skins (number)	65,148
	Pounds	256,287
Shearlings (tanned)	Skins (number)	28,918
	Pounds	129,153
Chamois	Skins (number)	28,328
	Pounds	5,153
Textile leather	Pounds	254,498
Belting leather	Butts (number)	120,502
	Pounds	2,327,301
Harness leather:		
Black	Backs and sides (number)	378,815
	Pounds	6,071,932
Russet	Backs and sides (number)	40,636
	Pounds	573,490
Skirting and collar leather	Sides (number)	110,813
	Pounds	1,027,859
Bag and strap leather	Backs and sides (number)	82,202
	Pounds	1,393,856
Upholstery leather:		
Grains	Whole hides (number)	95,191
Splits	Whole hides (number)	99,677
Horse butts (not elsewhere specified)	Pieces (number)	5,306
	Pounds	44,852
Pig and hog leather (not elsewhere specified):		
Skins	Skins (number)	30,268
	Pounds	123,024
Strips	Pounds	748,129
Side leather (not elsewhere specified)	Sides (number)	56,908
	Pounds	863,985
Rough leather:		
Butts	Butts (number)	41,659
	Pounds	981,126
Sides, backs, and bends	Sides, backs, bends (number)	32,596
	Pounds	415,729
Skins	Skins (number)	3,735
	Pounds	15,315
Other leather	Pounds	7,829,040
Furs and wooled skins	Skins (number)	137,093

BOOT AND SHOE CUT STOCK AND FINDINGS ON HAND AND IN TRANSIT, MAY 31, 1918.

KIND. [Unit, *pair*, except as specified.]	Men's, boys' and youths'.	Women's, misses' and children's.
Outer soles, 9-iron and up	8,055,755	5,531,109
Outer soles, under 9-iron	19,826,435	33,559,231
Half soles	9,472,241	6,364,888
Middle soles	4,851,996	2,767,869
Inner soles, Goodyear	3,691,345	4,259,613
Inner soles, Gem	5,427,977	5,736,554
Inner soles, McKay	5,005,798	12,486,884
Leather counters	16,629,510	22,623,877
Leather heels	6,845,241	8,580,028
Leather top pieces	14,861,178	16,832,740
Leather heel lifts (pounds)	3,050,008	3,109,320
Leather box toes	5,229,842	3,322,389
All other leather cut stock (pounds)	2,597,638	1,438,827
Rubber full soles	423,197	315,782
Rubber half soles	215,924	91,008
Rubber heels	7,412,580	4,007,946
Fiber soles	981,142	411,151
Other leather-substitute soles	543,508	130,459
Fiber counters	11,182,308	13,780,551
	running yards	19,698,209

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES, MAY 31, 1918, BY KINDS.

KIND OF LEATHER.	Unit of measure.	TOTAL.		REPORTED BY—											
				Boot and shoe manufacturers.		Cut stock manufacturers.		Harness and saddlery manufacturers.		Glove manufacturers.		Other manufacturers of leather goods.		Dealers in leather.		Tanners.[1]	
		Number.	Quantity.	Number.	Quantity.	Number.	Quantity.	Number.	Quantity.	Number.	Quantity.	Number.	Quantity.	Number.	Quantity.	Number.	Quantity.
Sole leather	Backs, bends, and sides.	1,194,536	*Pounds.* 18,390,525	470,501	*Pounds.* 8,164,289	357,587	*Pounds.* 4,770,988	10,253	*Pounds.* 145,514	.....	*Pounds.*	37,238	*Pounds.* 601,493	243,004	*Pounds.* 3,114,069	75,953	*Pounds.* 1,594,172
Sole offal leather		.....	30,119,941	.....	8,510,481	.....	13,589,527	.....	644,788	.....	28,150	.....	1,639,659	.....	4,790,654	.....	916,682
Shoe upper leather (except patent), total		.....	*Square feet.* [2]148,127,122	.....	*Square feet.* 122,623,483	.....	*Sq. ft.* 1,352,011	.....	*Sq. ft.* 709,524	.....	*Sq. ft.* 2,452,987	.....	*Sq. ft.* 4,727,316	.....	*Sq. ft.* 8,111,919	.....	*Sq. ft.* 8,149,882
Cattle—																	
Grains	Sides	1,941,351	31,503,129	1,658,439	26,867,590	3,887	69,829	8,743	142,680	150	3,000	23,018	385,323	57,968	1,100,074	189,146	2,934,633
Splits—																	
Whole side	Whole sides	757,086	8,627,956	449,161	4,349,895	8,433	121,009	21,946	235,576	180,033	2,140,207	55,059	1,262,075	31,589	407,723	10,865	111,471
Butt	Butt splits	709,958	4,889,118	442,490	3,122,078	23,082	193,828	5,112	45,907	2,812	29,111	33,285	265,566	12,350	90,901	190,827	1,141,727
Horse—																	
Fronts	Whole fronts	162,391	2,197,146	113,759	1,626,076	3	48	3,559	58,681	4	55	2,734	42,180	14,575	148,955	27,757	321,151
Butts	Whole butts	219,142	2,330,342	142,726	1,647,120	28	353	269	3,141	2,718	37,567	1,790	19,877	19,439	230,748	52,172	391,536
Colt, ass, and mule	Skins	47,847	344,333	46,443	327,876	26	500	10	98	.....	.....	847	8,470	521	7,389	.....	.....
Calf and kip	Skins	2,120,804	21,197,125	1,988,778	19,897,255	4,441	45,749	2,264	23,890	2,124	12,410	12,934	158,703	64,607	562,594	45,656	496,524
Sheep and lamb	Skins	2,881,481	27,018,254	2,087,191	20,965,734	76,217	803,504	12,985	114,521	8,807	44,275	276,952	2,089,055	348,641	2,452,113	70,688	549,052
Goat and kid	Skins	7,992,088	36,360,684	6,928,664	32,138,090	8,923	45,792	3,176	22,982	405	2,832	37,141	204,153	649,747	2,257,955	364,032	1,688,880
Cabretta	Skins	1,291,366	7,797,740	1,063,768	6,607,219	4,220	21,576	6,324	48,268	126	1,260	17,743	83,056	130,389	605,798	68,796	430,563
Kangaroo and wallaby	Skins	249,373	1,296,320	226,810	1,174,505	877	2,107	535	3,357	.....	.....	1,804	14,686	5,247	25,200	14,100	76,375
Deer and elk	Skins	108,636	819,614	103,947	784,153	6	125	247	2,037	456	4,505	731	8,157	3,249	20,637	.....	.....
All other		[3]650,037	[2]3,745,361	[3]173,944	3,115,892	[3]169,113	47,591	[3]4,733	8,386	[3]900	177,765	[3]65,893	186,015	[3]233,454	201,742	[3]2,000	7,970
Patent leather (except upholstery), total		.....	[4]6,808,495	.....	3,785,614	.....	84,817	.....	10,927	.....	126,090	.....	183,544	.....	543,785	.....	2,073,718
Cattle—																	
Grains	Sides	407,447	4,560,341	263,939	2,141,221	231	3,560	2,558	5,609	.....	.....	2,150	40,801	25,110	350,241	113,459	2,018,909
Splits	Sides	56,221	[5]899,536	32,421	518,736	3,124	49,984	311	4,976	4,166	66,656	7,474	119,584	6,261	100,176	2,464	39,424
Horse—																	
Fronts	Whole fronts	11,761	150,876	6,389	93,736	2	20	1	12	1,178	18,369	36	460	4,155	38,279	.....	.....
Butts	Whole butts	28,655	187,634	26,580	154,796	.....	.....	.....	.....	1,848	28,295	141	4,020	86	523	.....	.....
Colt, ass, and mule	Skins	18,815	220,089	15,572	184,686	2,530	27,172	2	14	.....	.....	240	2,402	471	5,815	.....	.....
Goat and kid	Skins	124,133	501,629	108,682	425,885	1,301	4,081	21	147	360	1,691	2,940	13,394	7,275	41,046	3,554	15,385
All other		[3]29,035	[4]288,390	[3]12,584	266,554	[3]1,250	.....	[3]1,015	169	[3]10	11,079	[3]4,059	2,883	[3]10,117	7,705	.....	.....
Glove leather, total		.....	[6]24,727,902	.....	1,040,509	.....	54,344	.....	192,062	.....	19,280,914	.....	2,433,899	.....	582,222	.....	1,143,952
Cattle—																	
Grains	Sides	27,185	443,381	12,010	199,169	144	1,912	312	6,052	9,177	116,393	2,001	63,187	2,545	42,664	996	14,004
Splits	Sides	349,370	[7]4,891,180	6,427	89,978	111	1,554	12,165	170,310	298,348	4,176,872	13,952	195,328	7,160	100,240	11,207	156,898
Horse—																	
Fronts	Whole fronts	225,711	3,189,438	2,632	20,004	180	2,672	.....	.....	221,323	3,144,864	1,169	15,160	255	4,299	152	2,439
Butts	Whole butts	30,118	422,862	1,984	26,691	.....	.....	.....	.....	26,130	369,089	176	2,816	105	1,866	1,723	22,400
Colt, ass, and mule	Skins	15,876	212,963	8,132	151,792	.....	.....	3	20	7,137	55,711	604	5,440	.....	.....	.....	.....
Calf and kip	Skins	26,817	319,760	5,002	87,630	.....	.....	90	962	10,456	127,497	7,686	71,548	1,621	14,935	1,962	17,188
Sheep and lamb	Skins	1,832,499	11,923,107	26,512	208,977	.....	.....	597	4,965	1,492,305	9,463,417	155,313	1,185,360	54,718	386,720	103,054	673,668
Goat and kid	Skins	316,129	1,589,038	58,291	221,294	.....	.....	84	404	145,568	624,793	86,661	606,739	3,795	18,148	21,730	117,660
Deer and elk	Skins	92,277	926,926	1,765	20,134	.....	.....	100	800	88,361	883,463	1,535	15,948	156	1,144	360	5,437
All other		[3]119,928	[8]809,247	.....	[9]14,840	[3]66,110	48,206	[3]573	8,549	[3]45,864	318,815	[3]7,071	272,373	[3]310	12,206	.....	134,258

leather, total			Pounds. 2,139,140		Pounds. 123,165		Pounds. 43,308		Pounds. 14,312		Pounds. 142,688		Pounds. 1,596,458		Pounds. 219,113		Pounds.
ookbinder's buffings	Pieces	258,127	308,326	1,705	2,557	15	22	324	518	19,100	28,650	224,882	260,572	12,037	15,911	64	96
ivers (finished)	Pieces	414,897	1,057,575	20,726	91,167	9,787	10,758	797	1,989	245	688	340,307	860,324	43,035	92,649		
eshers (finished)	Pieces	66,834	177,792	2,954	11,592	405	1,215	173	518	10,744	30,412	39,193	96,591	13,365	37,464		
al	Skins	44,819	178,681	911	3,644	1,541	6,163	730	2,862	3,488	17,432	36,869	144,107	1,280	4,473		
g	Skins	38,816	160,479	3,366	14,070	6,162	25,150	432	2,051	5,194	24,298	19,345	77,776	4,317	17,134		
l other	Skins	65,148	256,287	20	135			552	6,374	10,444	41,208	50,897	157,088	3,235	51,482		
ings (tanned)	Skins	28,918	129,153	2,184	9,704	93	372	4,561	29,690	9,983	48,599	1,665	5,854	10,332	34,734	100	200
ips	Skins	28,328	5,153	215	39			4,859	864	4,846	853	3,930	673	14,478	2,724		
e leather			254,498		15,595						9,245		202,803		1,855		25,000
g leather	Butts	120,502	2,327,301	156	2,281	16,680	339,848	8	183			99,789	1,902,427	2,502	55,441	1,367	27,121
ss leather:																	
ack	Backs and sides	378,815	6,071,932	173	3,419	255	5,242	319,858	4,854,738			8,512	177,472	49,597	1,024,261	420	6,800
isset	Backs and sides	40,636	573,490	260	4,130			35,661	479,960	1	14	1,067	23,008	3,422	62,528	225	3,850
g and collar leather	Sides	110,813	1,627,859	261	4,179	3,608	45,583	92,542	1,335,938			5,862	104,056	8,265	134,103	275	4,000
d strap leather	Backs and sides	82,202	1,393,856	7,408	112,076	1,585	27,965	17,042	356,265	263	3,945	43,408	733,427	12,446	159,928	50	250
tery leather:																	
ains	Whole hides	95,191		30				441		490		89,945		2,285		2,000	
lits	Whole hides	99,677		248		1,895		3,268		2,898		79,200		4,165		8,003	
outts (not elsewhere specified)	Pieces	5,306	44,852	2,000	18,000			217	5,616	2,016	7,224	672	8,589	391	5,173	10	250
l hog leather (not elsewhere specified):																	
ins	Skins	30,268	123,024	24,680	98,748	75	300	1,283	5,197	114	1,672	1,891	8,018	2,075	8,489	150	600
ips			748,129		255,554		167,025		10,150				196,928		113,376		5,096
ather (not elsewhere specified)	Sides	56,908	863,985	7,889	137,965	5	100	1,934	31,077	250	6,250	19,927	274,826	26,072	411,694	831	2,073
leather:																	
tts	Butts	41,659	981,126	143	3,838	7,785	222,683	1,122	29,854			29,366	662,915	2,874	53,375	369	8,461
es, backs, and bends	Sides, backs, and bends.	32,596	415,729	400	6,172	2,515	26,931	271	3,618			26,168	350,138	3,100	26,744	142	2,126
ns	Skins	3,735	15,315					65	1,497			668	4,806	2	12	3,000	9,000
eather			7,829,040		265,522		1,643,168		206,265				1,049,812		4,664,273		
ld wooled skins	Skins	137,093		1,456				9,798		116,081		4,954		4,804			

[1] Exclusive of those reporting to the Tanners' Council.
[2] In addition, 650,037 pounds, not reported in square feet.
[3] Pounds not reported in square feet, by certain establishments.
[4] In addition, 29,035 pounds, not reported in square feet.
[5] Reported as 634,742 pounds, and converted into square feet, using 16 square feet per side.
[6] In addition, 119,928 pounds, not reported in square feet.
[7] Reported as 2,130,623 pounds, and converted into square feet, using 14 square feet per side.

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TABLE II.—LEATHER STOCKS ON HAND AND IN TRANSIT

	GROUP AND STATE.	FANCY LEATHER.											
		Bookbinder's buffings.		Skivers (finished).		Fleshers (finished).		Seal skins.		Pig skins.		All other skins.	
		Pieces.	Pounds.	Pieces.	Pounds.	Pieces.	Pounds.	Number.	Pounds.	Number.	Pounds.	Number.	Pounds.
1	UNITED STATES	258,127	308,326	414,897	1,057,575	66,834	177,792	44,819	178,681	38,816	160,479	65,148	256,287
2	BOOT AND SHOE MANUFACTURERS	1,705	2,557	20,726	91,167	2,954	11,592	911	3,644	3,366	14,070	20	185
3	Illinois	247	370	81	202								
4	Massachusetts	58	87	886	9,532	200	576	858	3,432	614	2,848		
5	Missouri			3,783	26,348					1,435	5,740		
6	New York	1,400	2,100	7,865	17,802	2,754	11,016						
7	Ohio			2,437	7,072					500	2,000		
8	Pennsylvania			438	1,877			40	160	56	224		
9	Wisconsin			898	3,202					573	2,506	10	95
10	All other states			4,338	25,132			13	52	188	752	10	40
11	CUT STOCK MANUFACTURERS	15	22	9,787	10,758	405	1,215	1,541	6,163	6,162	25,150		
12	Massachusetts									5,750	23,500		
13	New York									262	1,050		
14	Ohio	15	22	6,524	2,600			1,541	6,163	100	400		
15	Pennsylvania									50	200		
16	All other states			3,263	8,158	405	1,215						
17	HARNESS AND SADDLERY MANUFACTURERS	324	518	797	1,989	173	518	730	2,862	432	2,051	552	6,374
18	Illinois									24	94		
19	Indiana												
20	Kentucky												
21	Missouri			120	360			9	36	10	115	15	100
22	Ohio			48	144								
23	All other states	324	518	629	1,485	173	518	721	2,826	398	1,842	537	6,274
24	GLOVE MANUFACTURERS	19,100	28,650	245	688	10,744	30,412	3,488	17,432	5,194	24,298	10,444	41,208
25	New York	19,100	28,650	209	598	10,024	28,252	488	2,432	587	2,622	10,444	41,208
26	All other states			36	90	720	2,160	3,000	15,000	4,607	21,676		
27	OTHER LEATHER MANUFACTURERS	224,882	260,572	340,307	860,324	39,193	96,591	36,869	144,107	19,345	77,776	50,897	157,088
28	Illinois	10,218	15,263	31,437	75,554	10	30	3,297	13,198	2,813	11,290	4,679	9,128
29	Massachusetts	15,565	18,953	29,883	60,492	5,653	16,127	2,029	6,791	7,714	30,834	21,663	64,039
30	New York	98,437	75,068	110,498	306,257	20,647	42,044	21,398	83,125	4,478	18,085	7,721	29,579
31	Ohio	10,023	14,968	11,706	13,466	23	42	252	1,008	152	740	3,391	4,984
32	Pennsylvania	14,509	22,272	81,445	216,566	1,425	3,950	2,257	9,048	302	1,226	2,339	8,826
33	All other states	76,040	114,048	75,358	187,989	11,435	34,398	7,636	30,937	3,886	15,601	11,104	40,532
34	DEALERS IN LEATHER	12,037	15,911	43,035	92,649	13,365	37,464	1,280	4,473	4,317	17,134	3,235	51,482
35	Illinois	47	67	755	288					286	1,152		
36	Massachusetts	1,277	1,756	9,054	9,645	137	68	2	18	300	600	196	138
37	Missouri	193	290	28	70	24	72	5	20			125	625
38	New York	2,483	3,035	16,088	38,470	874	2,622	838	2,710	1,014	4,353	1,156	4,839
39	Pennsylvania	2,988	4,482	11,005	28,434	9,479	28,437	50	100	1,067	4,425	1,572	45,210
40	Wisconsin	877	1,566	696	1,740	480	1,440	240	960	12	50		
41	All other states	4,172	4,715	5,409	14,002	2,371	4,825	145	665	1,638	6,554	186	670
42	TANNERS[1]	64	96										
43	Massachusetts												
44	Missouri												
45	New York												
46	Pennsylvania												
47	All other states	64	96										

[1] Exclusive of those reporting to the Tanners' Council.

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INGS ON HAND AND IN TRANSIT, MAY 31, 1918.

REPORTED BY—

hoe manufacturers.	Cut stock manufacturers.		Other leather goods manufacturers.[1]		Dealers in leather and tanners.	
Women's, misses', and children's.	Men's, boys', and youths'.	Women's, misses', and children's.	Men's, boys', and youths'.	Women's, misses', and children's.	Men's, boys', and youths'.	Women's, misses', and children's.
Pairs.	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*	*Pairs.*
3,571,832	1,675,859	1,663,844	120,327	32,818	1,539,396	262,615
15,069,230	7,360,589	16,660,521	218,274	405,406	691,155	1,424,074
3,882,326	5,802,570	2,063,961	259,287	62,858	1,236,722	355,743
883,965	2,390,876	1,764,360	45,678	6,141	810,408	113,403
2,933,173	1,615,778	1,063,758	42,142	200,170	186,302	62,,512
2,518,955	916,220	2,707,143	42,877	378,060	333,543	132,396
5,542,628	3,230,289	4,773,066	27,899	1,124,308	133,890	1,046,882
12,200,519	8,818,237	9,288,009	212,596	131,730	885,458	1,003,619
6,874,257	551,513	970,193	322,724	115,762	819,863	619,816
12,309,423	4,146,411	3,386,720	891,942	402,601	2,359,682	733,996
2,495,779	2,389,384	801,037	3,620	.....	154,125	26,073
245,440	8,148	360	109,452	61,488	69,362	8,494
7,596	1,442	133	40,811	12,262	166,509	71,017
1,136,267	117,479	153,646	764,928	539,573	5,425,683	2,178,460
331,541	3,176	200	24,531	1,544	207,857	77,866
11,508,576	1,598,444	1,234,041	165,027	.....	511,208	1,037,934
129,920	501,600	50	2,918	128	8,222	361
Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
920,681	1,391,902	1,783,153	188,912	105,025	701,732	300,961
.....	[2] 1,146	.....	[2] 73,652	.....	[2] 39,214	.....
600,150	747,055	538,128	133,579	14,206	1,320,460	286,343
Yards.	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*	*Yards.*
.....	[2] 1,394,001	.....	[2] 1,780,423	.....	[2] 1,571,356	.....
.....	[2] 59,946	.....	[2] 2,810,571	.....	[2] 2,695,515	.....
.....	[2] 2,525	.....	[2] 862,675	.....	[2] 257,234	.....

[1] Total for class; no segregation.

NSIT, MAY 31, 1918, AS REPORTED TO THE TANNERS, EAU OF THE CENSUS.

KIND OF LEATHER.	Total (number).	Reported to Tanners' Council.	Reported to Census Bureau.
holstery:			
Grains, whole hides	149,519	54,328	95,191
Splits, whole hides	165,152	65,475	99,677
rness, bag and strap, sides and backs	828,693	327,040	501,653
rting and collar, sides	176,683	65,870	110,813
ove, cattle, sides	32,567	5,382	27,185
amois, skins	28,748	420	28,328
il, skins	52,717	7,898	44,819
and hog, skins	90,813	21,729	69,084
e leather, backs, bends, and sides	5,530,360	4,303,228	1,227,132
tting butts	435,216	273,055	162,161
al, pounds	71,650,428	41,530,487	30,119,941

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From
United States Government.

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR

CENSUS OF WAR COMMODITIES
1918

TEXTILE FIBERS
WOOL, SILK, JUTE, AND KAPOK

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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WASHINGTON
GOVERNMENT PRINTING OFFICE
1919

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WOOL, SILK, JUTE, AND KAPOK.

The Census Bureau at the request of the War Industries Board issued questionnaires concerning various commodities and raw materials, to ascertain the available stocks, data bearing upon consumption and products, and the machinery capacity of the country for textile production in certain cases.

This report gives the statistics thus collected for wool, silk, jute, and kapok.

WOOL.

The wool schedule required a statement of the equipment of the woolen mills of the country, as of July 1, 1918; the consumption of wool in the grease; the scoured wool equivalent; and the production of woolen goods for the years 1917, 1916, and 1915. (See schedule reproduced on p. 4.)

Schedules were mailed to manufacturers of woolen goods, carpets and rugs, hosiery and knit goods, and to wool scourers. The returns from 1,074 concerns were finally tabulated, 874 of these being from woolen goods manufacturers. Some reports covered the operations of more than one establishment, noticeably that of the American Woolen Co. which combined the reports of 52 establishments or plants. The totals, therefore, can not be shown by states or geographic divisions. While hosiery and knit goods manufacturers were sent schedules, only 84 of the returns received from these were finally tabulated as producing woolen products.

A difference between the schedules used for gathering the information required as a war measure and the schedule ordinarily used to collect statistics of wool manufactures by the Census Bureau was that, at the instance of the War Boards, quantities of wool goods were required to be reported in linear yards rather than, as usually required, in square yards and no comparison can be made with former census figures.

A preliminary report was issued to the War Boards August 7, 1918. The final report was issued October 1, 1918. In the analysis of the returns, the Census Bureau had the benefit of the expert advice of Mr. William J. Battison, assistant secretary and statistician of the National Association of Wool Manufacturers, who has in recent census reports on wool manufactures assisted in the capacity of consulting expert.

Table 1 shows the total wool machinery available in the United States, as of July 1, 1918, by class and kind, including the number of knitting machines producing woolen goods.

Table 2 shows the consumption of wool in the grease and the scoured wool equivalent during the years 1917, 1916, and 1915, and the quantities of the various wool manufactures for the same years.

Table 1.—WOOL MACHINERY IN THE UNITED STATES, JULY 1, 1918.

CLASS OR KIND.	Number.
Scouring machines	510
Cards:	
Woolen, sets	6,296
Worsted, sets	2,278
Shoddy, sets	933
Combs:	
English (or Bradford) system	1,912
French system	435
Shoddy pickers	1,057
Garnet machines	432
Spindles:	
Woolen	2,705,625
Worsted—	
English system	1,641,770
French system	699,404
Twisting	737,784
Knitting machines:	
Spring-beard needles—	
Underwear	[1] 2,845
Knitted cloth	641
Lining for rubber goods	[2] 263
Miscellaneous goods	30
Latch needle—	
Hosiery	[3] 4,322
Underwear	1,289
Sweaters	736
Knit cloth	277
Gloves	50
Miscellaneous	640
Looms:	
Broad looms—50 inches or over, reed space	62,121
Narrow looms—under 50 inches, reed space	18,746
Number (included above) employed ordinarily on—	
Worsted goods	42,448
Woolen or mixed goods	34,137
Paper makers' felts (woven and felted)	430
Other goods—	
Blankets	1,958
Felts	56
Linings	86
Plush	434
Shirting	301
Press cloth	85
Shawls	33
Miscellaneous	96
Carpet and rug—	
Ingrain	858
Broad ingrain	496
Smyrna	942
Tapestry Brussels	1,561
Tapestry velvet	1,199
Body Brussels	442
Wilton	1,727
Axminster	2,428
Colonial or rag	756
All other carpets	93

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Table 2.—CONSUMPTION AND PRODUCTION OF WOOL: 1917, 1916, AND 1915.

	Unit of measure.	1917	1916	1915
CONSUMPTION.				
Wool in the grease	Pounds	768,272,175	725,391,207	615,913,757
Scoured wool (equivalent)	Pounds	388,399,842	373,619,703	317,317,530
PRODUCTION.				
Carded wool from—				
Woolen cards	Pounds	436,491,776	409,914,495	380,465,448
Worsted cards	Pounds	242,600,650	241,896,058	209,729,057
Shoddy cards	Pounds	58,262,187	45,325,563	43,104,318
Tops from—				
English (or Bradford) system	Pounds	188,262,156	191,616,686	159,954,497
French system	Pounds	24,649,580	24,478,562	21,310,612
Recovered wool fiber from—				
Shoddy pickers	Pounds	171,748,296	148,658,808	157,684,150
Garnet machines	Pounds	50,240,395	45,803,725	41,853,937
Yarns from—				
Woolen spindles	Pounds	393,546,822	358,220,518	342,382,073
Worsted spindles—				
English system	Pounds	145,991,074	148,807,362	130,471,252
French system	Pounds	47,701,523	47,415,307	40,543,680
Twisting spindles	Pounds	97,012,911	100,584,543	93,045,627
Paper makers' felts (woven and felted)	Pounds	9,609,523	7,705,159	6,721,931
Felts	Pounds	369,519	330,920	265,741
Press cloth	Pounds	2,287,406	2,222,921	2,350,866
Shawls	Dozen	3,800	4,300	4,700
Worsted or mixed worsted goods	Linear yards	271,592,072	271,141,884	220,140,558
Woolen or mixed goods	Linear yards	257,001,862	234,580,366	207,975,155
Blankets	Single	911,504	648,462	750,764
Blankets	Pairs	1,446,937	1,217,520	1,125,801
Blankets	Pounds	2,999,043	2,282,168	2,263,815
Blankets (including horse)	Linear yards	3,740,783	3,180,647	2,739,775
Linings	Linear yards	2,933,847	2,379,534	1,938,869
Plush	Linear yards	3,975,090	4,329,184	4,698,223
Shirting	Linear yards	885,623	78,200	128,200
Other cloth	Linear yards	1,548,140	1,335,980	1,251,180
Carpets and rugs:				
Ingrain	Linear yards	2,978,693	3,516,126	3,492,222
Broad ingrain	Linear yards	3,435,500	3,488,905	3,055,516
Smyrna	Linear yards	1,235,057	1,319,483	1,077,704
Tapestry Brussels	Linear yards	17,298,797	22,880,697	19,995,826
Tapestry velvet	Linear yards	7,859,556	9,481,698	8,414,420
Body Brussels	Linear yards	1,299,769	2,812,502	3,102,287
Wilton	Linear yards	6,570,755	8,491,436	7,299,774
Axminster	Linear yards	16,140,217	20,120,069	19,011,582
Colonial or rag	Linear yards	2,572,347	2,808,914	2,175,532
All other carpets	Linear yards	550,485	577,122	575,633
Hosiery and knit goods:[1]				
Produced by—				
Spring-beard needle—				
Underwear [2]	Dozen	1,664,323	1,598,973	1,542,858
Underwear	Pounds	3,972,139	3,429,500	3,049,208
Knitted cloth	Pounds	8,323,664	8,083,811	7,321,584
Lining for rubber goods [3]	Pounds	3,052,985	2,984,058	2,787,427
All other	Pounds	91,875	92,107	92,000
Latch needle—				
Hosiery [4]	Dozen	3,979,221	3,972,220	4,585,229
Underwear	Dozen	867,401	842,228	830,254
Underwear	Pounds	3,394,507	2,419,564	2,081,275
Sweaters	Dozen	212,265	197,881	194,031
Knit cloth	Pounds	3,227,165	2,807,838	2,045,056
Gloves	Dozen	95,646	90,733	75,207
All other	Dozen	398,875	351,097	299,317
All other	Pounds	225,206	190,000	190,000

[1] In addition to products of this character made by establishments engaged primarily in the manufacture of woolen goods, the products of 84 establishments engaged exclusively in producing hosiery and knit goods are included.

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SCHEDULE USED TO SECURE STATISTICS OF WOOL.

CONFIDENTIAL—WAR MEASURE

6—4284 [YY8—561]

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM'L L. ROGERS, Director

STATISTICS OF WOOL MANUFACTURES
MACHINERY AND PRODUCTION

EUGENE P. HARTLEY
Chief Statistician for Manufactures

NAME OF ESTABLISHMENT .....

LOCATION OF ESTABLISHMENT: State ....., City or town .....

ADDRESS OF GENERAL OFFICE .....

IF A COMBINED REPORT, ENUMERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT.
NAMES AND ADDRESSES:

GENERAL DESIGNATION OF GOODS: .....

WASHINGTON, D. C., *July 20, 1918*

A census of machinery used in wool manufactures and the production of wool manufactures in connection therewith, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce * * * shall * * * from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent."

And the special authority of the President of the United States, under date of April 8, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics, from which individual figures can not be deduced, may be placed at the disposal of the trade.

Important.—The present war emergency demands the patriotic cooperation of all interests that centralized information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. **Accurate** and **prompt** replies are **imperative.**

SAM'L L. ROGERS,
Director of the Census

CERTIFICATE

This is to certify that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

.....
(Signature of person furnishing the information.)

Date, ..., 1918. .....
(Official designation.)

WOOL MACHINERY AND PRODUCTION.

EQUIPMENT JULY 1, 1918.		PRODUCTION. (If best estimates are not available, give the best estimates that conditions permit of.)			
CLASS OF ITEM.	NUMBER.	COMMODITY AND UNIT.	1914	1916	1917
SCOURING MACHINES		Grease wool, pounds			
		Scoured wool, equivalent, pounds			
CARDS:					
Woolen, sets (width .....)		Pounds			
Worsted (width .....)		Pounds			
Shoddy (width .....)		Pounds			
COMBS:					
English (or Bradford) system		Tops, pounds			
French system		Tops, pounds			
SPINNING					
Woolen		Yarn, pounds			
Worsted—					
English system		Yarn, pounds			
French system		Yarn, pounds			
Twisting		Yarn, pounds			
LOOMS:					
Broad looms—60 inches or over, reed space		X X X			
Narrow looms—Under 60 inches, reed space		X X X			
Number (included above) employed ordinarily on:					
Worsted goods		Linear yards			
Woolen or mixed goods		Linear yards			
Other goods (state kind)—					
Paper makers' felts (woven and felted)		Pounds			
.....		Linear yards			
.....		Linear yards			
Carpet and rug—					
Ingrain		Linear yards			
Brussels		Linear yards			
Venetian		Linear yards			
Tapestry Brussels		Linear yards			
Tapestry velvet		Linear yards			
Body Brussels		Linear yards			
Wilton		Linear yards			
Axminster		Linear yards			
Moquette		Linear yards			
Smyrna		Linear yards			
Celanese or rug		Linear yards			
SHODDY PICKERS		Pounds			
CARBONIZING MACHINES		Pounds			
		Name commodity and unit.			
KNITTING MACHINES:					
Spring-beard needle					
Latch needle					

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SILK.

The statistics for silk are based upon 60 returns made by dealers and jobbers, 132 made by throwsters or establishments engaged in the manufacture of organzine or tram, chiefly on a commission or contract basis, and 1,396 returns from manufacturers of finished silk products—a total of 1,588 establishments.

Stocks were reported as of date June 1, 1918, and embraced those on hand, in transit within the United States and Canada, afloat or on the high seas, and stocks owned abroad but not yet placed aboard vessels for transportation. The inquiry in regard to consumption called for a report of the quantities consumed during the first portion of the year 1918—January 1 to May 31—and estimated requirements for the balance of the year, and consumption figures for the calendar years 1917, 1916, and 1915. The schedule (reproduced on p. 10) contained inquiries in regard to production of organzine, tram, spun silk, and silk wastes in 1917, 1916, and 1915, and machinery equipment on June 1, 1918.

With respect to production, many of the returns are defective. Statistics based upon them would be misleading and they have not been included in this report.

The schedule also contained an inquiry in regard to consumption of logwood dyes, for the year 1917 and the first portion of 1918, and requirements for the balance of the year. The statistics therefor are here given, but they are not to be taken as representing the total consumption of logwood dyes in the silk industry. The dyeing and finishing of textiles is to a large extent done in independent establishments and the figures here given relate only to consumption by silk mills operating dyeing and finishing departments.

A graphic presentation of the statistics precedes the tables and the schedule follows.

Table 3 presents in detail the statistics for stocks of silk and artificial silk on June 1, 1918.

Table 4 shows the imports of silk for the fiscal years ending June 30, 1918, 1917, 1916, and 1915.

Table 5 gives in detail the statistics for consumption of silk, artificial silk, and of logwood dyes in silk mills for the calendar years 1918, 1917, 1916, and 1915. The statistics for 1918 comprise actual consumption during the period January 1 to May 31 and estimated requirements for the remainder of the year, June 1 to December 31.

Table 6 shows the equipment of the silk mills in spindles, cards, dressing machines, looms, and Jacquard machines on June 1, 1918, with segregation of idle equipment and distribution of active equipment to show that employed on military or naval orders.

The following tabular statement shows the statistics for equipment of June 1, 1918, in comparison with that reported for the Census of Manufactures, 1914 and 1909:

EQUIPMENT.	1918 (June 1).	1914 (Dec. 31).	1909 (Dec. 31).	PER CENT OF INCREASE. [1]	
				1914–1918	1909–1914
SPINDLES	2,939,797	2,808,702	2,415,527	4.7	16.3
Throwing, winding spindles	698,682	677,960	637,565	3.1	6.3
Spinning and twisting	2,072,331	2,023,491	1,647,415	2.4	22.8
Spun silk, spinning	147,974	107,251	130,547	57.4	−17.8
Noil yarn, spinning	20,810				
LOOMS	105,087	85,058	75,406	23.5	12.8
Other than velvet and ribbon:					
Over 40-inch reed space	62,591	44,549	35,214	40.5	26.5
40-inch or under reed space	26,425	26,431	28,426	.....	−7.0
Velvet looms	3,963	2,524	1,196	57.0	111.0
Ribbon looms	12,108	11,554	10,570	4.7	9.3
JACQUARD MACHINES	11,762	6,826	8,985	.....	.....

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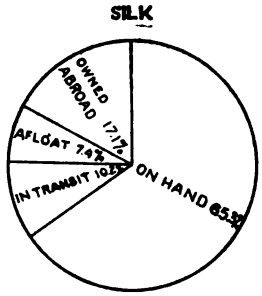
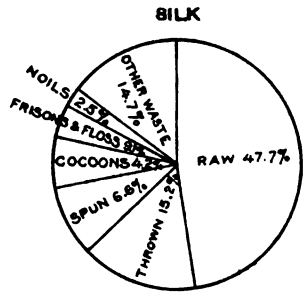
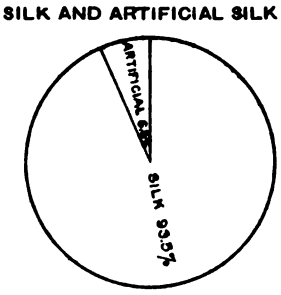
STOCKS, JUNE 1, 1918; CONSUMPTION, 1918, 1917, 1916, AND 1915.

Stocks, June 1, 1918:

Silk. . . . . 24,864,963 pounds
Artificial silk 1,737,583 "
Combined . . 26,602,546 "



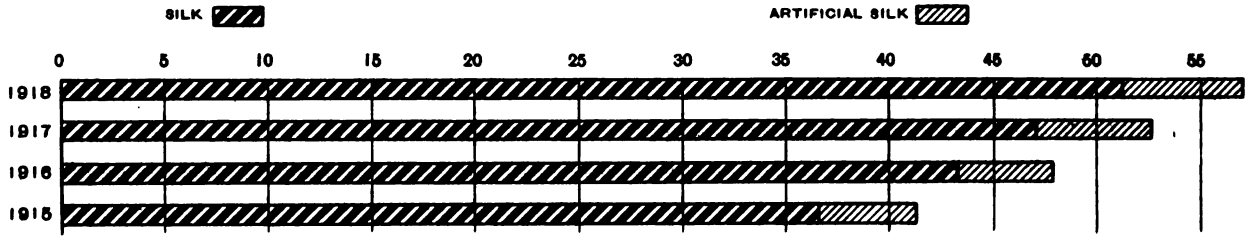




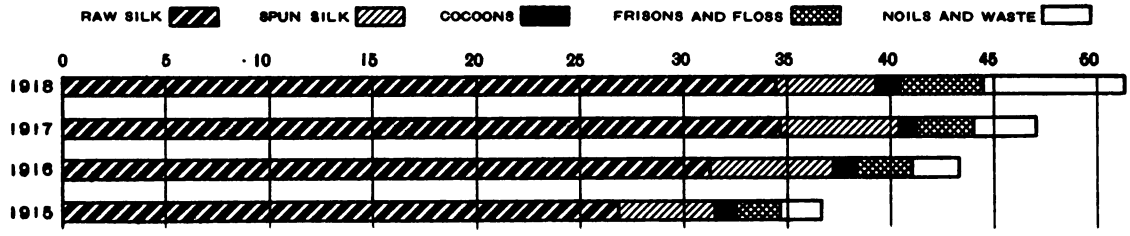
CONSUMPTION. 1918. 1917. 1916 AND 1915

MILLIONS OF POUNDS

SILK AND ARTIFICIAL SILK



SILK



Consumption--pounds.

	1918	1917	1916	1915
Silk.	51,335,502	47,138,508	43,305,056	36,633,101
Raw silk.	34,470,411	34,772,477	31,280,508	26,830,403
Spun silk	4,835,174	5,481,883	5,989,583	4,724,117
Cocoons	1,103,219	1,001,450	1,099,826	931,872
Frisons and floss . . .	4,005,053	2,746,193	2,640,420	2,171,715
Noils and waste	6,921,645	3,136,505	2,294,719	1,984,994
Artificial silk	5,801,038	5,619,730	4,645,407	4,693,843

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Table 8.—DETAIL STATISTICS FOR STOCKS OF SILK AND ARTIFICIAL SILK ON JUNE 1, 1918.

	Number of establishments.	TOTAL. Pounds.	TOTAL. Per cent distribution.	On hand (pounds).	In transit (pounds).	Afloat (pounds).	Owned abroad (pounds).
Silk, total	1,588	24,864,963	100.0	16,235,878	2,527,822	2,034,663	4,066,600
Raw silk		11,863,177	47.7	7,420,673	1,448,816	1,258,145	1,735,543
Thrown silk		3,770,545	15.2	3,454,514	274,656	20,275	21,100
Spun silk (including schappe)		1,638,641	6.6	1,384,642	130,270	121,509	2,220
Pierced cocoons		1,036,824	4.2	663,157	16,667	55,800	301,200
Frisons and floss		2,269,571	9.1	1,131,472	262,502	204,810	670,787
Noils		622,799	2.5	545,188	55,211	.....	22,400
Other waste		3,663,406	14.7	1,636,232	339,700	374,124	1,313,350
Artificial silk	395	1,737,583	100.0	1,537,760	122,143	5,890	71,790
Dealers and jobbers	19	149,655	8.6	62,265	15,400	200	71,790
Manufacturers	376	1,587,928	91.4	1,475,495	106,743	5,690	.....
SILK.							
Dealers and jobbers	60	3,326,856	13.4	2,183,180	192,928	441,262	509,486
Raw silk		3,070,349	.....	2,010,389	148,693	440,381	470,886
All other		256,507	.....	172,791	44,235	881	38,600
By states:							
New York	38	3,140,229	12.6	2,078,353	149,728	441,262	470,886
New Jersey	8	18,908	0.1	18,908	.....	.....	.....
Massachusetts	7	118,126	0.5	65,126	43,000	.....	10,000
Pennsylvania, Connecticut, and California	7	49,593	0.2	20,793	200	.....	28,600
Throwsters	132	2,228,047	9.0	1,706,138	129,359	79,550	313,000
Raw silk		2,052,281	.....	1,541,934	117,797	79,550	313,000
All other		175,766	.....	164,204	11,562	.....	.....
By states:							
Pennsylvania	90	893,851	3.6	839,041	54,810	.....	.....
New Jersey	27	455,785	1.8	453,085	2,700	.....	.....
New York	7	142,157	0.6	120,116	11,491	10,550	.....
All other states	8	736,254	3.0	293,896	60,358	69,000	313,000
Manufacturers (other than throwsters)	1,396	19,310,060	77.6	12,346,560	2,205,533	1,513,851	3,244,114
Raw silk		6,740,547	.....	3,868,350	1,182,326	738,214	951,657
Thrown silk		3,621,515	.....	3,314,846	265,294	20,275	21,100
Spun silk		1,623,431	.....	1,370,513	130,070	120,628	2,220
Pierced cocoons		1,032,824	.....	659,157	16,667	55,800	301,200
Frisons and floss		2,262,471	.....	1,124,372	262,502	204,810	670,787
Noils		481,191	.....	471,180	10,011	.....	.....
Other waste		3,548,081	.....	1,538,142	338,665	374,124	1,297,150
By states:							
New Jersey	432	4,390,747	17.6	2,942,865	452,288	683,494	312,100
Paterson	323	1,203,857	4.8	1,030,363	122,409	36,985	14,100
Balance of state	109	3,186,890	12.8	1,912,502	329,879	646,509	298,000
Pennsylvania	373	5,743,118	23.1	3,668,938	814,619	275,008	984,553
New York	260	3,511,188	14.1	1,513,724	474,656	81,997	1,440,811
Massachusetts	104	2,221,078	8.9	1,170,177	112,292	446,459	492,150
Connecticut	53	1,952,804	7.9	1,713,114	199,697	25,493	14,500
Rhode Island	53	1,209,322	4.9	1,087,523	121,799	.....	.....
Ohio	26	2,633	(1)	2,633	.....	.....	.....
Illinois	24	91,256	0.4	81,390	9,866	.....	.....
Tennessee	11	5,882	(1)	2,670	3,212	.....	.....
New Hampshire	9	51,272	0.2	48,454	2,818	.....	.....
Wisconsin	9	34,835	0.2	34,171	664	.....	.....
California	8	268	(1)	268	.....	.....	.....
Maine	5	1,921	(1)	1,651	270	.....	.....
Michigan	4	5,937	(1)	5,541	396	.....	.....
Virginia	4	10,175	(1)	9,446	729	.....	.....
All other states	21	77,624	0.3	62,225	12,229	1,400	.....

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Table 4.—IMPORTS OF SILK FOR THE FISCAL YEARS ENDING JUNE 30, 1918, 1917, 1916, AND 1915.

	1918	1917	1916	1915	PER CENT OF INCREASE.[1] 1917–1918	1916–1917	1915–1916
Total unmanufactured silk:							
Pounds	43,282,366	40,351,423	41,925,297	31,052,674	7.3	3.8	35.0
Value	$188,454,812	$160,571,807	$124,333,655	$83,130,557	17.4	29.1	49.6
RAW SILK:							
Pounds	34,447,575	33,868,885	33,070,902	26,030,925	1.7	2.4	27.0
Imported from—							
Japan	28,371,063	26,341,833	22,914,898	18,217,083	7.7	15.0	25.8
China	6,059,089	7,006,700	7,419,616	5,097,169	−13.5	−5.6	45.6
Italy	7,309	467,405	2,545,845	2,610,570	−98.4	−81.6	−2.5
France	5,673	35,767	127,076	49,843	−84.1	−71.9	155.0
All other countries	4,441	17,180	63,467	56,260	−74.2	−72.9	12.8
Value	$180,906,287	$156,085,649	$119,484,223	$80,531,785	15.9	30.6	48.4
COCOONS:							
Pounds	251,447	62,056	197,073	51,495	305.2	−68.5	282.7
Value	$319,349	$54,994	$142,743	$35,114	480.7	−61.5	306.5
WASTE:							
Pounds	8,583,344	6,420,482	8,657,322	4,970,254	33.7	−25.1	74.1
Value	$7,229,176	$4,431,164	$4,706,689	$2,563,658	63.1	−5.9	83.6

[1] A minus sign (−) denotes decrease.

Table 5.—CONSUMPTION OF SILK, ARTIFICIAL SILK, AND LOGWOOD DYES FOR THE CALENDAR YEARS 1918, 1917, 1916, AND 1915.

	Number of establishments.	1918 Total.	1918 Jan. 1–May 31.	1918 Estimated requirements June 1–Dec. 31.	1917	1916	1915	PER CENT OF INCREASE.[1] 1917–1918	1916–1917	1915–1916
		Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*			
SILK	1,528	51,335,502	21,298,502	30,037,000	47,138,508	43,305,056	36,633,101	8.9	8.8	18.2
Raw silk		34,470,411	14,608,411	19,862,000	34,772,477	31,280,508	26,820,403	−0.9	11.2	16.6
Spun silk		4,835,174	1,966,174	2,869,000	5,481,883	5,989,583	4,724,117	−17.2	−2.5	26.8
Pierced cocoons		1,103,219	455,219	648,000	1,001,450	1,099,826	931,872	10.2	−8.9	18.0
Frisons and floss		4,005,053	1,873,053	2,132,000	2,746,193	2,640,420	2,171,715	45.8	4.0	21.6
Noils and other waste		6,921,645	2,395,645	4,526,000	3,136,505	2,294,719	1,984,994	120.7	36.7	21.7
ARTIFICIAL SILK	376	5,801,038	2,547,038	3,254,000	5,619,730	4,645,607	4,683,543	3.2	21.0	−0.8
LOGWOOD DYES (consumption by silk mills):										
In form of logwood	9	649,325	322,725	326,600	1,025,239	.....	.....	−37.3	.....	.....
In form of extracts	104	3,865,032	1,549,632	2,315,400	4,878,313	.....	.....	−20.8	.....	.....
Paste		2,264,874	1,028,874	1,236,000	2,914,788	.....	.....	−22.3	.....	.....
Crystal		46,287	23,887	22,400	82,222	.....	.....	−43.7	.....	.....
Other		1,553,871	496,871	1,057,000	1,881,303	.....	.....	−17.4	.....	.....

[1] A minus sign (—) denotes decrease.

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Table 6.—MACHINERY EQ

KIND.	Total
SPINDLES	2,
Throwing, winding spindles (raw silk only)	
Spinning and twisting	2,
Spun silk, spinning	
Noil yarn, spinning	
Throwsters	1,
Throwing, winding spindles	
Spinning and twisting	1,
Other	
Manufacturers (other than throwsters)	1,
Throwing, winding spindles	
Spinning and twisting	1,
Spun silk	
Noil yarn, spinning	
By states (total):	
Connecticut	
Massachusetts	
Maryland	
New Jersey	
New York	
Pennsylvania	1,
Rhode Island	
All other	
CARDS	
DRESSING MACHINES	
LOOMS	
Other than velvet and ribbon	
Over 40-inch reed space	
40-inch or under reed space	
Velvet looms	
Ribbon looms	
By states:	
Connecticut	
Massachusetts	
New Jersey	
New York	
Pennsylvania	
Rhode Island	
All other	
JACQUARD MACHINES	
Attached (Jacquard looms included above)	
Detached or disconnected	

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SCHEDULE USED TO SECURE STATISTICS OF SILK.

CONFIDENTIAL—WAR MEASURE

6—6555 [YY5—558]

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, Director

STATISTICS OF SILK

EUGENE F. HARTLEY
Chief Statistician for Manufactures

NAME OF ESTABLISHMENT .....

LOCATION OF ESTABLISHMENT: State ....., City or town .....

ADDRESS OF GENERAL OFFICE .....

NATURE OF BUSINESS ..... (State whether manufacturer, wholesaler, jobber, or importer and exporter.)

IF A CONSOLIDATED REPORT, ENUMERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT. NAMES AND ADDRESSES:

.....

.....

.....

.....

.....

.....

WASHINGTON, D. C., *June 15, 1918.*

A census of the staples of silk on hand and in transit, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 9 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce . . . shall . . . from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and advisable."

And the special authority of the President of the United States, under date of April 5, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data, within the limited powers now existing by law of the Department, and unexpended, as may be needful and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information supplied, limited and concerns will be kept strictly confidential, but aggregate statistics, from which individual figures can not be deduced, may be placed at the disposal of the trade.

Importance.—The urgent war emergency demands the patriotic cooperation of all interests that centralized information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. Accurate and prompt replies are imperative.

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

This is to certify that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

..... (Signature of person furnishing the information.)

..... (Official designation.)

Date, ..., 1918.

6—6555

I. Stocks on Hand or in Transit June 1, 1918.

a STOCKS ON HAND.—State in column (A) stocks on hand in your own factories, warehouses, storerooms, and other space occupied or rented by you in the United States and Canada. State quantity actually in your possession whether you have title to it or not.

b STOCKS IN TRANSIT.—State in column (B) stocks in transit to you from points within the United States or Canada. In the column should be included stocks on docks, in customs warehouses, or in the possession of railroads or other carriers within the United States or Canada. Do not include stocks in transit to you but which have been sold, as they will be reported by the purchaser.

c STOCKS AFLOAT.—State in column (C) stocks at present in transit to you from foreign countries other than Canada, but not yet arrived in the United States or Canada, viz., stocks on the high seas. Do not include stocks silent to you which have been sold, as they will be reported by the purchaser.

d STOCKS OWNED ABROAD.—State in column (D) stocks *owned by you* in foreign countries which have as yet not been placed aboard vessels for transportation to the United States or Canada. Do not include stocks owned in Canada.

Description	(A) Stocks on hand	(B) Stocks in transit	(C) Stocks afloat.	(D) Stocks owned abroad.*
	(Quantities to be given in pounds.)			
Raw silk				
Thrown silk				
Spun silk (including schappe)				
Floss or cocoons				
Pelisse and floss				
Noils				
All other waste				
Artificial silk				

* State the foreign countries. .....

.....

Remarks .....

.....

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.....

(2) 6—6555

II. Silk Consumed in Manufacture.

State the quantities of silk, etc., used during the specified periods. Include the quantity of silk furnished to other establishments to be thrown, etc., on commission or contract.

Throwsters and other establishments doing work on commission or contract should not report the quantity of materials furnished them. They should, however, report the materials supplied by themselves.

Description.	Calendar year 1917.	Calendar year 1918.	Calendar year 1919.	Jan. 1-May 31, 1919.	Estimated for June 1-Dec. 31, 1919.
	(Quantities to be given in pounds.)				
Raw silk					
Spun silk and schappe					
Floss or cocoons					
Pelisse and floss					
Noils					
All other waste					
Artificial silk					

Remarks .....

.....

.....

.....

.....

.....

III. Consumption of Logwood Dyes.

State the quantity of logwood dyes consumed during 1917, and also estimate requirements for the year 1918. Care should be taken to distinguish between logwood and logwood extract.

Description.	1917.	Jan. 1-May 31, 1918.	Estimated for June 1-Dec. 31, 1918.
	(Quantities to be given in pounds.)		
In form of logwood			
In form of extracts:			
1. Crystal			
2. Paste			
3. Other forms of extract			

(3) 6—6555

IV. Production.

State quantities of the following manufactures and by-products produced during the indicated periods (whether sold, wasted, or used in further process of manufacture). Report as of your own the quantities of products and by-products made on commission or contract by other establishments from materials furnished by you.

Throwsters and other establishments doing work on contract or commission should not report the products and by-products made from materials furnished them. They should, however, report the products and by-products made from materials supplied by themselves.

Description.	Calendar year 1916.	Calendar year 1918.	Calendar year 1917.
	(Quantities to be given in pounds.)		
Organzine			
Tram			
Spun silk			
Silk waste—Noils			
Silk waste—Throwsters' waste			
All other silk waste			

V. Machinery as of June 1, 1918.

State the total number of spindles, cards, drawing machines, looms and Jacquard machines in establishments covered by this report.

State number engaged on military and naval orders (direct contract or subcontract), the number engaged on other work or orders, and the number idle.

Class.	Total number.	Number engaged on—		Idle.
		Military and Naval Orders.	Other work or orders.	
SPINNING: Throwing, winding spindles (raw silk only)				
Spinning and twisting				
Spun silk, spinning (spun silk from waste)				
Noil yarn spinning				
Total spindles				
CARDS				
DRAWING MACHINES				
LOOMS: Other than velvet and ribbon looms: 60-inch or under reed space				
Over 60-inch reed space				
Velvet looms				
Ribbon looms				
Total looms				
JACQUARD MACHINES: Attached (Jacquard looms included above)				
Detached or dismounted				

(4) 6—6555

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JUTE.

The statistics for jute are based upon the returns received from 3,473 establishments and include practically all those engaged in the jute trade or industry. Of these, 554 are importers, exporters, dealers, or manufacturers of products composed wholly of jute fiber, and 2,919 are consumers of jute products as wrappers or containers for merchandise, or manufacturers using small quantities of jute in manufacture in conjunction with other materials. The former group was thoroughly canvassed and the latter, which embraces a large number in diversified industries, as extensively as possible. In the aggregate, 11,490 establishments were circularized.

Stocks were reported as of date June 1, 1918, and embraced those on hand, in transit in the United States, afloat or on the high seas, and stocks owned abroad but not yet placed aboard vessels for transportation to the United States.

The inquiry in regard to consumption called for a report of the quantities of jute and burlap consumed in manufacture during the calendar year 1917, the period January 1 to May 31, 1918, and the estimated future consumption for the period June 1 to December 31, 1918. With respect to production the schedule asked for the quantities of bagging for covering cotton, burlap, and jute bags made or to be made during the aforesaid periods. The production statistics here given are confined to jute bags. The figures for bagging and burlap are not shown, to avoid disclosure of individual operations.

The schedule (reproduced on p. 14) also called for the cost per unit of the stocks on hand, in transit, afloat, or owned abroad. No attempt has been made to tabulate these data.

Table 7 shows stocks of jute, bagging, burlap, and bags on hand, in transit, afloat, and owned abroad, on June 1, 1918.

Of the total for all jute stocks, 236,674,422 pounds, 66 per cent was on hand and in the factories or warehouses of the owners and 8 per cent in transit; or 74 per cent was in this country, while 26 per cent was yet to arrive. In the case of bagging, 91.5 per cent was on hand and 8.3 per cent in transit, making 99.8 per cent of the total of 108,432,262 pounds in this country. Cotton bagging is largely of domestic manufacture and the importations are relatively small. Burlap, on the other hand, is heavily imported. The stock on hand constituted 33.9 per cent and in transit 6.7 per cent of the total of 412,461,405 yards; the stocks afloat, 13.7 per cent; and those owned abroad, 45.7 per cent; or of the total, 59.4 per cent was yet to arrive. With respect to jute bags, of the total number, 219,089,582, those on hand constituted 78.7 per cent and in transit 9.4 per cent, or 88.1 per cent were in this country and 11.9 afloat or abroad.

Table 8 presents the statistics for consumption of jute and burlap in the manufacture of jute goods, 1918 and 1917, and the production of jute bags, with percentages of increase.

Table 9 presents the statistics for stocks, jute and burlap consumption, and bag production for a group of the 50 leading establishments and all other establishments, 3,423 in number. The stocks of bagging and bags are largely in the hands of the ginners, the cotton compress companies, the fertilizer, grain, and feed concerns, etc., and the bulk of these show in the "all other" group.

In considering these statistics it must be remembered that both imported burlap and domestic burlap are used in the manufacture of bags, and that there is a large bag importation. The statistics for imports of jute, bagging, burlap, and bags are given for a period of six years, 1913–1918, inclusive, in the following tabular statement:

	1918	1917	1916	1915	1914	1913	PER CENT OF INCREASE.[1] 1917–1918	1916–1917	1915–1916	1914–1915	1913–1914
Total, pounds	637,530,150	715,640,306	662,899,300	639,147,489	791,249,590	742,716,066	−10.9	8.0	3.7	−19.2	6.5
Jute and jute butts, pounds	156,624,000	225,390,000	216,644,000	166,280,000	202,066,000	250,778,000	−30.5	4.0	30.3	−17.7	−19.4
Bagging, gunny cloth, and similar fabrics suitable for covering cotton:											
Square yards	1,772,717	3,498,774	2,579,157	9,813,227	14,514,993	7,815,494	−49.3	35.6	−73.7	−32.4	85.7
Pounds[2]	4,432,000	8,747,000	6,448,000	24,533,000	36,287,000	19,539,000					
Burlaps or plain woven fabrics of single jute yarn											

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Table 7.—STOCKS OF JUTE, BAGGING, BURLAP, AND BAGS ON JUNE 1, 1918.

	TOTAL.		On hand.	In transit.	Afloat.	Owned abroad.
	Quantity.	Per cent distribution.				
JUTE.....pounds..	236,674,422	100.0	156,189,251	19,001,471	22,073,300	39,410,400
Raw jute	152,520,721	64.4	117,304,050	8,654,971	14,929,700	11,632,000
Jute butts and rejections	84,153,701	35.6	38,885,201	10,346,500	7,143,600	27,778,400
Manufacturers of jute goods (41 establishments)	166,761,260	70.5	94,520,371	13,632,089	20,758,400	37,850,400
Raw jute	87,857,346	37.1	59,962,457	3,348,089	13,614,800	10,932,000
Jute butts and rejections	78,903,914	33.4	34,557,914	10,284,000	7,143,600	26,918,400
Other consumers, importers and dealers (3,432 establishments)	69,913,162	29.5	61,668,880	5,369,382	1,314,900	1,560,000
Raw jute	64,663,375	27.3	57,341,593	5,306,882	1,314,900	700,000
Jute butts and rejections	5,249,787	2.2	4,327,287	62,500	.....	860,000
Six leading states (ranked): Massachusetts, New Jersey, New York, Pennsylvania, Connecticut, California	233,740,158	98.8	154,588,857	17,924,101	21,876,800	39,350,400
All other states	2,934,264	1.2	1,600,394	1,077,370	196,500	60,000
BAGGING (for covering cotton).....pounds..	108,432,262	100.0	99,273,922	8,987,440	60,000	110,900
Six leading states (ranked): Texas, Massachusetts, New York, Georgia, Mississippi, Alabama	85,853,032	79.2	82,200,631	3,592,401	60,000	.....
All other states	22,579,230	20.8	17,073,291	5,395,039	.....	110,900
BURLAP.....linear yards..	412,461,405	100.0	139,633,799	27,700,366	56,469,592	188,657,648
Under 10-ounce	231,530,568	56.1	85,320,609	14,688,967	32,560,692	98,960,300
10-ounce and over	180,930,837	43.9	54,313,190	13,011,399	23,908,900	89,697,348
Manufacturers of jute goods	320,111,638	77.6	102,727,819	17,743,727	44,649,092	154,991,000
Other consumers, importers, and dealers	92,349,767	22.4	36,905,980	9,956,639	11,820,500	33,666,648
Six leading states (ranked): Massachusetts, New York, Illinois, Missouri, Minnesota, California	347,107,255	84.2	109,529,109	20,018,106	47,188,692	170,371,348
All other states	65,354,150	15.8	30,104,690	7,682,260	9,280,900	18,286,300
BAGS.....number..	219,089,582	100.0	172,524,057	20,692,311	13,265,820	12,607,394
New	127,988,975	58.4	89,872,417	13,870,713	11,936,545	12,309,300
Cuban and Porto Rican sugar bags	15,658,981	7.2	3,237,561	1,665,936	2,886,284	7,869,200
All other—						
Under 10-ounce burlap	63,400,144	28.9	52,209,901	8,750,882	1,977,261	462,100
10-ounce burlap and over	48,929,850	22.3	34,424,955	3,453,895	7,073,000	3,978,000
Six leading states (ranked): New York, California, Illinois, Minnesota, Massachusetts, Texas	80,793,189	36.9	53,831,510	8,247,818	8,867,861	9,846,000
All other states	47,195,786	21.5	36,040,907	3,622,895	3,068,684	2,463,300
Secondhand	91,100,607	41.6	82,651,640	6,821,598	1,329,275	298,094
Washed sugar bags	15,507,769	7.0	14,306,986	341,200	859,583	.....
Unwashed, coconut, soya bean, and						

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Table 8.—CONSUMPTION OF JUTE AND BURLAP AND PRODUCTION OF JUTE BAGS: 1918 AND 1917.

	1918			1917	Per cent of increase,[1] 1917–1918.
	Year.	Jan. 1–May 31.	June 1–Dec. 31 (estimated).		
CONSUMPTION IN MANUFACTURE OF JUTE GOODS.					
JUTE.....pounds..	233,261,097	76,637,622	156,623,475	232,475,670	0.3
Raw jute	143,827,809	57,140,674	86,687,135	153,697,613	−6.4
Jute butts and rejections	89,433,288	19,496,948	69,936,340	78,778,057	13.5
Manufacturers primarily of jute goods	224,404,576	73,571,776	150,832,800	222,835,583	0.7
Raw jute	136,140,491	54,247,691	81,892,800	145,128,634	−6.2
Jute butts and rejections	88,264,085	19,324,085	68,940,000	77,706,949	13.6
Other manufacturers of jute goods	8,856,521	3,065,846	5,790,675	9,640,087	[2]−8.1
Raw jute	7,687,318	2,892,983	4,794,335	8,568,979	−10.3
Jute butts and rejections	1,169,203	172,863	996,340	1,071,108	9.1
BURLAP.....linear yards..	642,101,351	264,351,735	377,749,616	621,691,204	3.3
Under 10-ounce	374,135,447	145,109,528	229,025,919	367,547,665	1.8
10-ounce and over	267,965,904	119,242,207	148,723,697	254,143,539	5.4
Manufacturers primarily of jute goods	620,025,423	254,489,777	365,535,646	597,074,860	3.8
Other manufacturers of jute goods	22,075,928	9,861,958	12,213,970	24,616,344	−10.3
PRODUCTS.[3]					
BAGS.....number..	344,134,016	133,717,881	210,416,135	342,985,634	0.3
Sugar bags	4,357,978	3,607,978	750,000	9,144,995	.....
Other bags—					
Under 10-ounce burlap	183,623,504	64,155,773	119,467,731	176,129,607	.....
10-ounce burlap and over	156,152,534	65,954,130	90,198,404	157,711,032	.....

[1] A minus sign (−) denotes decrease. [2] Production of bagging and burlap not shown, to avoid disclosure of individual operations.

Table 9.—STATISTICS FOR JUTE AND BURLAP CONSUMPTION AND BAG PRODUCTION FOR THE FIFTY LEADING ESTABLISHMENTS IN THE INDUSTRY.

	Total (3,473 establishments).	FIFTY LEADING ESTABLISHMENTS.		All other (3,423 establishments).
		Amount.	Per cent of total.	
STOCKS, JUNE 1, 1918.				
JUTE.....pounds..	236,674,422	222,738,200	94.1	13,936,222
BAGGING.....pounds..	108,432,262	42,565,104	39.2	65,867,158
BURLAP.....linear yards..	412,461,405	340,689,657	82.6	71,771,748
BAGS.....number..	219,089,582	32,037,267	14.6	187,052,315
New	127,988,975	17,888,323	14.0	110,100,652
Secondhand	91,100,607	14,148,944	15.5	76,951,663
CONSUMPTION IN MANUFACTURE OF JUTE GOODS.				
JUTE (pounds):				
1918[1]	233,261,097	219,053,753	93.9	14,207,344
1917	232,475,670	218,714,073	94.1	13,761,597
BURLAP (linear yards):				
1918[1]	642,101,351	602,791,694	93.9	39,309,657
1917	621,691,204	561,335,023	90.3	60,356,181
PRODUCTS.[2]				
BAGS (number):				
1918[1]	344,134,016	312,093,738	90.7	32,040,278
1917	342,985,634	271,976,180	79.3	71,009,454

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SCHEDULE USED TO SECURE STATISTICS OF JUTE.

CONFIDENTIAL—(WAR MEASURE)

6–4020 [YY2—555]

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, Director

STATISTICS OF JUTE

EUGENE F. HARTLEY
Chief Statistician for Manufactures

NAME OF ESTABLISHMENT.....

LOCATION OF ESTABLISHMENT: State ....., City or town.....

ADDRESS OF GENERAL OFFICE .....

NATURE OF BUSINESS .....
(State whether manufacturer, wholesaler, jobber, or importer and exporter.)

IF A CONSOLIDATED REPORT, ENUMERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT.
NAMES AND ADDRESSES:

.....

.....

.....

.....

WASHINGTON, D. C., *June 10, 1918.*

A census of the stocks of jute and jute products, on hand and in transit, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce * * * shall * * * from time to time make such special investigations and reports as he may be required to do by the President, by either House of Congress, or which he himself may deem necessary and urgent."

And the special authority of the President of the United States, under date of April 8, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics, from which individual figures can not be deduced, may be placed at the disposal of the trade.

Important.—The present war emergency demands the patriotic cooperation of all interests that controlled information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. **Accurate** and **prompt** replies are imperative.

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

DATE, ..., 1918. (Signed).....

STATE OF..... } ss:
COUNTY OF..... }

....., being duly sworn, deposes and says that he is the ..... of the ..... company, that he has read the foregoing statement and the same is true to his own knowledge, except as to matters therein stated on information or belief, and that as to those matters he believes it to be true.

Sworn to before me this ..... day of ....., 1918.

.....

6—4020

I. Stocks on hand or in transit June 1, 1918.

a. STOCKS ON HAND.—Report in column (A) all jute material and the jute products specified, actually on hand in your own factories, warehouses, storerooms, or other places owned or rented by you, in the Continental United States. It should include quantities actually in your possession, whether you have title to them or not.

b. STOCKS IN TRANSIT.—Report in column (B) all jute material and the jute products specified which you know are in transit to you in the United States from seaport or other points, but not yet received, including them on docks, in custom warehouses or in the possession of railroads, or other carriers. Do not include stocks in transit to you which have been sold, as they will be reported by the purchaser.

c. STOCKS ABROAD.—Report in column (C) stocks at present in transit to you from foreign countries, but not yet arrived in the United States. It should include material which has arrived by vessel at Canadian ports and which is in transit to you by rail or coastwise vessel. Do not include stocks afloat to you which have been sold, as they will be reported by the purchaser.

d. STOCKS OWNED ABROAD.—Report in column (D) stocks owned or contracted for by you in foreign countries, which have as yet not been placed aboard vessels for transportation to the United States or Canada. Do not include stocks in Canada on the way to you, as these belong properly under (C).

Report quantities in the unit indicated—Jute and bagging in pounds, burlap in linear yards, and bags in number.

DESCRIPTION.	(A) STOCKS ON HAND	(B) STOCKS IN TRANSIT	(C) STOCKS ABROAD	(D) STOCKS OWNED ABROAD
JUTE:				
Raw jute.....pounds.				
Jute butts and rejections, pounds.				
TOTAL JUTE .....pound				
BAGGING (for covering cotton) .....pounds.				
BURLAP:				
Under 10-ounce, linear yds.				
10-ounce and over, linear yds.				
TOTAL BURLAP, linear yds.				
NEW JUTE BAGS:				
Cuban and Porto Rican sugar bags .....number.				
All other new bags: Made of burlap, under 10 ounces per yard, number.				
Made of burlap, 10 ounces or heavier per yard, number.				
SECOND-HAND JUTE BAGS:				
Washed sugar bags. .number.				
Unwashed, cement, myra bags, and similar heavy bags.....number.				
Other second-hand bags of 7½ to 12 ounces burlap .....number.				
TOTAL JUTE BAGS .....number.				

11—4020 (7)

II. Costs of stocks reported in Table I (page 2).

Give in column A-C the average cost per pound f. o. b. your factory (or f. o. b. warehouse where the goods are stored in the case of goods not at a factory) of the items given in column "A" in Table I (page 2).

Give in columns B-C, C-C, and D-C the estimated cost f. o. b. factory (or f. o. b. warehouse where the goods are to be stored in the case of goods not immediately routed to factory) for items in columns B, C, and D, respectively (page 2).

In column D-C, when giving costs of stocks still in India, if exchange has been bought covering the purchases in question give cost in cents for goods f. o. b. place of storage in India. If exchange has not been bought give cost f. o. b. place of storage in India in rupees.

The average cost in cents per pound, linear yard, or number as indicated for each item is found by dividing the total f. o. b. cost of the stocks in question by the quantity in pounds, linear yards, or number as indicated of these stocks.

PRODUCT.	A-C COST OF STOCKS ON HAND.	B-C COST OF STOCKS IN TRANSIT.	C-C COST OF STOCKS ABROAD.	D-C COST OF STOCKS OWNED ABROAD.
JUTE				
Raw jute.....per pound.				
Jute butts and rejections, per pound.				
BAGGING (for covering cotton), per pound.				
BURLAP				
Under 10-ounce, per linear yd.				
10-ounce and over, per linear yd.				
NEW JUTE BAGS:				
Cuban and Porto Rican sugar bags.....per bag.				
All other new bags: Made of burlap, under 10 ounces per yard, per bag.				
Made of burlap, 10 ounces or heavier per yard, per bag.				
SECOND-HAND JUTE BAGS:				
Washed sugar bags...per bag.				
Unwashed, cement, myra bags, and similar heavy bags.....per bag.				

III. Consumption.

Manufacturers should report the quantity of jute and burlap used during the indicated periods.

DESCRIPTION.	CALENDAR YEAR 1917	JAN. 1 TO MAY 31, 1918.	ESTIMATED PERIOD JUNE 1 TO DEC. 31, 1918.
JUTE:			
Raw jute.....pounds.			
Jute butts and rejections.....pounds.			
TOTAL JUTE .....pounds.			
BURLAP:			
Under 10-ounce .....linear yards.			
10-ounce and over .....linear yards.			
TOTAL BURLAP .....linear yards.			

IV. Production.

State quantities of the following manufactures produced during the indicated periods (whether sold or unsold, or used in further processes of manufacture). Report as of your own, the quantities of products made on commission or contract by other establishments from materials furnished by you.

DESCRIPTION.	CALENDAR YEAR 1917.	JAN. 1 TO MAY 31, 1918.	ESTIMATED PERIOD JUNE 1 TO DEC. 31, 1918.
BAGGING for covering cotton.....pounds.			
BURLAP:			
Under 10-ounce .....linear yards.			
10-ounce and over .....linear yards.			
TOTAL BURLAP .....linear yards.			
JUTE BAGS:			
Sugar bags.....number.			
Other bags:			
Under 10-ounce burlap.....number.			
10-ounce and over burlap .....number.			

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KAPOK.

The statistics for kapok comprise the data furnished on 22 schedules returned by importers and dealers and 291 returned by manufacturers. (See schedule reproduced on p. 16.)

Kapok is the seed fiber of the silk-cotton tree (*Eriodendron anfractuosum*). The seeds resemble the seed of the cotton plant, being similarly enveloped in a mass of silky fibers. The fiber is hollow in structure and in mass has a bouyancy almost equal to that of cork. For transportation about 500 cubic feet of space are required for a ton of kapok, tight packing being detrimental to the fiber. It is imported principally from Java, and is used as filling for mattresses, pillows, cushions, pads, life preservers, and as an upholstery material.

The following table presents the statistics for: (1) Stocks on hand, in transit to the reporting establishment, afloat, and owned abroad, on May 1, 1918, as reported by the 313 establishments, with segregated statistics for importers and dealers, and manufacturers, respectively, and stocks reported by manufacturers, distributed by states; (2) imports for the fiscal years ending June 30, 1913, to 1918, inclusive; (3) statistics of consumption for 1918, 1917, and 1916 for the United States and by states, and by class of products for 1917.

Table 10.—KAPOK FIBER—STOCKS ON HAND AND IN TRANSIT, MAY 1, 1918; IMPORTS FOR THE FISCAL YEARS 1913 TO 1918; AND CONSUMPTION DURING 1918, 1917, AND 1916.

STOCKS, MAY 1, 1918.	Number of establishments.	Quantity (pounds).	Per cent.
Total	313	10,133,499	100.0
On hand		2,845,017	28.1
In transit		1,832,456	18.1
Afloat		1,683,026	16.6
Owned abroad		3,773,000	37.2
Importers and dealers	22	4,123,251	40.7
On hand		796,907	7.9
In transit		214,000	2.1
Afloat		1,403,344	13.8
Owned abroad		1,709,000	16.9
Manufacturers	291	6,010,248	59.3
On hand		2,048,110	20.2
In transit		1,618,456	16.0
Afloat		279,682	2.7
Owned abroad		2,064,000	20.4
Manufacturers, by states:			
California	17	644,710	6.4
Illinois	18	604,866	6.0
Massachusetts	30	306,288	3.2
Ohio	24	137,034	1.3
New Jersey, New York, and Pennsylvania	83	3,961,903	39.1
All other states	119	355,447	3.3

IMPORTS. Fiscal year ending June 30:	Tons.	Value.	PER CENT OF INCREASE.[1] Tons.	Value.

CONSUMPTION.	Quantity (pounds).	Per cent of increase.[1]
United States (291 establishments):		
1918	11,392,655	34.5
January 1 to April 30	2,648,890	
May 1 to August 30 (estimated)	4,252,197	
September 1 to December 31 (estimated)	4,491,568	
1917	8,472,830	45.7
Mattresses 309,007	5,022,370	
Pillows, cushions, and pads 1,215,049	1,777,378	
Life preservers of various kinds 206,900	237,730	
Other articles	1,435,352	
1916	5,815,041	
California (17 establishments):		
1918	1,282,149	26.8
1917	1,011,010	17.4
1916	861,093	
Illinois (18 establishments):		
1918	1,031,101	16.4
1917	885,707	98.6
1916	446,000	
Massachusetts (30 establishments):		
1918	2,132,057	37.2
1917	1,557,357	27.5
1916	1,221,517	
Ohio (24 establishments):		
1918	510,524	−29.9
1917	728,464	5.3
1916	691,633	
New Jersey, New York, and Pennsylvania (83 establishments):		
1918	5,656,361	63.3

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SCHEDULE USED TO SECURE STATISTICS OF KAPOK.

[YY1—554]

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM L. ROGERS, Director

STATISTICS OF KAPOK FIBER

EUGENE F. HARTLEY
Chief Statistician for Manufactures

NAME OF ESTABLISHMENT .....

LOCATION OF ESTABLISHMENT: State ..... City or town .....

ADDRESS OF GENERAL OFFICE .....

NATURE OF BUSINESS .....
(State whether manufacturer, wholesaler, jobber, or importer and exporter.)

IF A COMBINED REPORT, ENUMERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT

NAMES AND ADDRESSES.

WASHINGTON, D. C., *May 20, 1918*

A census of the stocks of kapok on hand and in transit, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 9 of the organic act creating the Department of Commerce and Labor, as follows

"That the Secretary of Commerce * * * shall * * * from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and expedient."

And the special authority of the President of the United States, under date of April 9, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics may be placed at the disposal of the trade.

Important.—The present war emergency demands the patriotic cooperation of all interests, that centralized information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. Accurate and prompt replies are imperative.

SAM L. ROGERS,
Director of the Census.

CERTIFICATE.

This is to certify that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

.....
(Signature of person furnishing the information.)

Date ....., 1918 .....
(Title and address.)

I. Stocks on hand or in transit, May 1, 1918.

a. PROCESS OF MAKE.—Quantity, pounds. .....

State quantity of kapok fiber actually on hand in your own factories, warehouses, storerooms and other space owned or rented by you in the United States and Canada. State quantity actually in your possession whether you have title to it or not.

b. PROCESS IN TRANSIT.—Quantity, pounds. .....

State quantity of kapok fiber in transit to you from points within the United States and Canada. Include stocks on docks, in custom warehouses, or in the possession of railroads or other carriers within the United States or Canada. Do not include stocks in transit to you but which have been sold, as they will be reported by the purchaser.

c. PROCESS AFLOAT.—Quantity, pounds. .....

State quantity of kapok fiber at present in transit to you from foreign countries other than Canada, but not yet arrived in the United States or Canada, viz., stocks on the high seas. Do not include stocks afloat to you but which have been sold, as they will be reported by the purchaser.

d. PROCESS OWNED ABROAD.—Quantity, pounds. .....

State quantity of kapok fiber owned by you in foreign countries which has as yet not been placed aboard vessels for transportation to the United States or Canada. Do not include stocks owned in Canada.

Name here the foreign countries .....

II. Kapok consumed in manufacture.

State in pounds the quantity of kapok fiber used during the specified periods.

Calendar year 1916 ..... pounds

Calendar year 1917 ..... pounds

January 1 to May 1, 1918 ..... pounds

Estimated future consumption:
May 1 to September 1, 1918 ..... pounds

September 1 to December 31, 1918 ..... pounds

NOTE.—Comment briefly on any variation in the quantity of fiber consumed by you monthly during the year, indicating the normal maximum and minimum months in the year with the approximate consumption.

(2)

III. Output of finished products in 1917.

State quantity of principal finished products such as pillows, mattresses, etc., in the manufacture of which kapok fiber was used by you during the calendar year 1917. Indicate also the amount of kapok fiber consumed in the production of the articles specified.

Name of product.	Quantity produced.	Kapok fiber consumed in its production.

IV. Give exact location of your factories, warehouses, or storerooms in which kapok fiber specified in Question 1 (A) is stored.

Name of factory or warehouse, if practicable.	Street and number.	City or town.

V. By what route or routes does kapok fiber to normal times come to your factory?

Import through which it enters United States.	Port of entrance (city if other than import)	Railways from import

Intermediate points or points of change	Railway by which received at plant or warehouse.	Chief railroad or railroads of arrival in approximate percentage

Indicate any important changes in these routes during the present abnormal conditions (a) in ocean shipping, (b) in railway traffic.

VI. State in space below approximately how many cubic feet of shipping space are taken up by one weight bale of kapok fiber as ordinarily packed. Comment on method of packing, and state if such method could be improved so as to compress fiber into smaller space.

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